

LEAD TIME— An Essential Element Of Survival

By
LT. GEN. ARTHUR G. TRUDEAU, USA
Chief of Research and Development

At this moment, the ticking of the clock means survival or destruction for us as a people and as a nation. It measures the military, economic and other advantages we have over our enemies, or the advantages they may have over us.



Gen. Trudeau

In this period of unparalleled expansion in science and technology which has caused weapons to change almost overnight, the military advantage to one side or the other can be measured by the speed with which new weapons are conceived and converted to hardware in the hands of troops.

The longer it takes to visualize, design, develop, test and produce new hardware and to put it into use, the

longer the "lead time." If our lead time is greater than that of an enemy and we cannot counter his new weapons, we may be at a fatal disadvantage.

If it is less and we can field new weapons systems more rapidly, we can retain a military advantage over him and with it the military strength and flexibility required to support a viable and effective foreign policy or to win any type conflict which might be forced upon us.

Time is on the side of the party that uses it most effectively. It magnifies and enhances the advantages which accrue to him who uses it best. Once lost, however, time is gone forever, and no amount of spending can recover it. Money can buy many things, but it can never recover time lost through faulty administrative procedures, deferred decisions, lack of vision, timidity, complacency, misdirected or fruitless effort, or through past inadequate funding.

All of these are elements of weapon lead time and represent some of the areas which we in Army Research and Development are investigating most thoroughly. We want to determine how we can better compress the R&D cycle, cut lead time to an irreducible

—Continued on page 27

New Station Allowance Plan Will Cost Families Over \$6 Million

SERVICE families will lose about \$6.5 million a year as a result of changes in overseas subsistence and quarters allowances that go into effect 1 February.

An official of the Per Diem, Travel and Transportation Allowance Committee told THE JOURNAL that two factors are responsible for the substantial budget saving.

First factor is the complete elimination of subsistence and/or quarters allowances in about 20 areas of the world.

Second factor is the gearing of cost-of-living (the new COL index replaces the old subsistence payments) and quarters allowances more closely to the actual cost

—Continued on page 3

It's Quick Stars With Tardy Pay For Navy, Marine Officers; Army, AF Snub "Brevets"

THE Navy has reinstituted rank without pay for eight "brevet" flag officers, and the Marine Corps has followed suit by creating two "acting" generals.

All ten officers have been selected for promotion to their newly "assumed" rank, but are awaiting creation of vacancies before they can be formally promoted and paid for star rank.

The Army and the Air Force do not permit their officers to wear general officer uniforms until actual vacancies occur and promotions are made.

The Navy has given eight captains authority to wear admirals' uniforms while they are waiting.

The Marine Corps has jumped a colonel to "acting" brigadier general and a brigadier general to "acting" major general.

None of these officers receives the pay of higher rank. Their pay status will be changed only when they are assigned to actual vacancies in their new rank.

The practice of permitting officers to "assume" higher rank, for which they have been selected but for which no vacancy exists, when first instituted by the Navy caused consternation in the Congress. There were complaints that the procedure "cheapened" the flag ranks, but no action was taken to prevent the

CONTROVERSY AT CAPITOL

The 86th Congress opened its doors to a series of disputes on key military matters, as reported on Page 11 of this issue.

Services from taking such action again. The Navy officers who have been authorized to "assume" the rank of rear admiral and wear the uniform are:

Capt. Hazlett P. Weatherwax, Commander of Destroyer Flotilla One.
Capt. John S. McCain, jr., Chief of Navy Legislative Liaison.
Capt. Charles K. Duncan, Commander

—Continued on page 6

New Functions Paper Before Five Years

(Army-AF Ambiguity, Page 5)

The Pentagon won't be able to wait another five-year cycle before revising its latest—dissent-proof—paper on "Functions of the Department of Defense and Its Major Components."

Coincidental with the release of the document, largely a restatement of the Defense Reorganization Act of 1958, on the last day of the year, Deputy Secretary of Defense Quarles told reporters full agreement had been reached on the document.

The apparent reason that Mr. Quarles was able to report such unanimity is the fact that the new "Functions Paper" avoids the areas of critical controversy, specifically missile and space roles and missions.

But with the speed of technological development and the mounting cost of weapon systems, it is not likely that Pentagon leaders long will be able to dodge major roles and missions decisions.

The first effort to tackle the problem was made during the Key West Conference, held from 11-14 March 1948, ap-

—Continued on page 3

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Top Air Force Generals Face Forced Retirement; Service Could Be Extended

(AF Mandatory Retirement List, Page 8)

FOUR top Air Force generals, including the JCS Chairman, Chief of Staff, CinC of the North American Air Defense Command, and the head of the Tactical Air Command, face statutory retirement in 1959.

Each could be extended on active duty.

The decisions on their careers ultimately will be made by President Eisenhower.

A total of 36 Air Force general officers—22 of them permanent colonels—are due for mandatory retirement this year, according to information made available to THE JOURNAL.

Included on this list are General Nathan F. Twining, General Thomas D. White, General Earle E. Partridge and General O. P. Weyland.

General Twining, who was 61 on the last Veterans Day, 11 November, completes a two-year tour as JCS Chairman in August, and will either be reappointed or retire after having completed more than 40 years service.

In August, General Thomas D. White, who succeeded General Twining, will end a two-year tour as Chief of Staff. General White, who will be 58 in August, will

—Continued on page 8

The 3 January issue of The Journal reported the names of 21 Army general officers, including General Williston B. Palmer and General Henry I. Hodes, who are due for retirement this year.

A story on Navy flag retirements noted that by 1 August 1960 at least nine of the 14 most senior admirals will have left active duty.

It was reported last week that no Marine Corps general reaches statutory retirement age this year.

Termites Cut Props From USAF Medics, "Rat-Trap" Hospitals Need Quick Replacing

(Dan Cupid Causes Casualties, Page 2)

AS the Air Force Medical Service celebrates its 10th birthday this month, termites are decimating its foundations.

Hampered by budget restrictions—yet constantly forced to expand—the Air Force finds itself with approximately 50 cantonment-type hospitals which are literally falling apart.

Lack of adequate hospital facilities is one of the major problems confronting Maj. Gen. Oliver K. Niess, who became Air Force Surgeon General effective 1 December. He replaced Maj. Gen. Dan C. Ogle, who retired.

Under the paint and sparkling-waxed floors of its "rat-trap" hospitals, the termites are having a field day, according to Air Force medical officers.

They add that when the termites are not eating, the antique heating systems, piping and other building facilities are falling apart.

The situation is so bad that during 1958 the operating facilities of two hospitals had to be closed down for months because termites had made a

—Continued on next page



Maj. Gen. Niess

OFFICER EXTRA PAY; CHAPLAIN IS ANSWERED

The Journal publishes on Page 10 of this issue a provocative letter from a Navy Commander on the subject of "Incentive Pay for Line Officers."

The Commander's views are expressed in response to a letter from a chaplain that was published in the 20 December issue.

Space limitations usually require lengthy letters to be edited. But we believe every military man will be interested in the full text of the Commander's letter, published in its entirety.



ARMY ORDNANCE MISSILE COMMAND at Redstone Arsenal presents Chrysler Corporation Missile Division with a citation for "outstanding service" and "significant contributions" to the Army's missile program at the Huntsville, Ala., Chamber of Commerce annual dinner. Thomas F. Morrow, Chrysler Corporation vice-president—defense and special products, is shown at right as he accepted the award. Making the presentation are (left to right): Brig. Gen. John A. Barclay, commanding general of the Army Ballistic Missile Agency; William Fowler, president of Huntsville-Madison County Chamber of Commerce; and Alabama Congressman Robert E. Jones, Jr. Chrysler Corporation is prime contractor for the Redstone and Jupiter ballistic missile systems and has more than 1,100 employees working at Huntsville in support of the ABMA. The Redstone and Jupiter missiles are in production at the division plant near Detroit.

AF MEDICAL LOG

Air Force physicians are conducting one of the largest medical practices in the world.

Each day they treat 48,200 military men and their families, including 30,000 out-patient visits. A typical day sees 1100 patients admitted to bed, with a total of 8770 beds occupied.

Air Force facilities average 130 births per day.

The daily medical log also shows 1700 physical examinations, as well as 17,000 inoculations.

Col. Davis Is PMS&T

Col. Sidney S. Davis, an airborne veteran of Bastogne and an experienced technical communications officer in the Army Signal Corps, has reported as Professor of Military Science and Tactics at Northeastern University in Boston.

Colonel Davis had served as Inspector General for the Army Chief Signal Officer in Washington the past two years.

Cupid Causes Casualties In AF Nurse, Medical Specialist Ranks; Attrition Hurts

Cupid must take the blame for most of the 650 losses suffered by the Air Force Nurse Corps and Medical Specialist Corps each year.

This high attrition—a 25% turnover yearly—constitutes one of the major problems constantly facing these two medical groups.

Already working with the minimum practical personnel strength, these corps must also face serious shortages in certain critical specialties.

Most serious personnel needs in the Nurse Corps, estimates Col. Fran-

Termites Try Fiscal Patience

From first page—

meal of the operating room floors.

In one of these hospitals, at Lake Charles AFB, La., the operating table fell through the floor before the unwelcome visitors had finished their meal.

During 1958, nine new hospitals were opened at Air Force bases in the United States. Seven were replacements for temporary buildings which had long outlived their five-year planned life span.

Five new hospitals, all replacements for outmoded temporary buildings, are scheduled to be put into operation this year.

Nevertheless, at the end of 1959 there will still be about 50 dilapidated hospitals in need of immediate replacement.

This situation, Air Force officials say, will be brought strongly to the attention of Congress. They see hope for an accelerated hospital building program in the Fiscal 1960 budget, but feel that at best it will provide only a partial solution.

SAC's Best Paper

The Impact, the newspaper of Schilling AFB, Kan., has been judged SAC's Newspaper of the Year for 1958, winning over 59 other publications in the command.

The Impact was forced to establish a rating record to surpass the 1957 winner, the Westover AFB, Mass. *Yankee Flyer*, which nearly duplicated its earlier award with a 1958 rating of 90.6, just four-tenths of a point behind the new winner.



Col. Lay



Col. Underkoffler

ces I. Lay, Nurse Corps chief, are for qualified nurse anesthetists and for general duty nurses. In addition, Colonel Lay says, the corps' ideal strength would require 200 nurses over and above the presently authorized strength of 2,859.

Medical Specialist chief, Col. Audrey A. Underkoffler, states that her corps' only procurement problem is in getting qualified dieticians. However, she adds, the ideal Medical Specialist strength in the Air Force should be 185, in place of the presently authorized 162.

CofL UP 50% IN USSR

The Pentagon has determined it costs 50% more to live in Moscow than in this country.

The new CofL rates for service in the Soviet, will reduce the allowances of lower-ranking officers and men and increase those for persons in the higher ranks. The rates range from \$3.55 to \$8.60 for EM, depending on rank and number of dependents, and from \$3.65 to \$12.90 for officers.

An unmarried second lieutenant will receive a CofL allowance of \$3.65 and a quarters allowance of \$3.25. His counterpart with two dependents will receive a CofL allowance of \$4.

If the second lieutenant has the maximum number of dependents—five—he will receive \$5.55 for living expenses and the top quarters allowance of \$4.

Under the existing system, all married officers receive \$8.75 for subsistence and \$4 for quarters, regardless of the number of dependents.

The new plan provides that a single colonel will receive a CofL allowance of \$7.35. Colonels with two dependents will get \$9.90 for living expenses. Those with five or more dependents will receive \$10.95 per day.

The top payment to any officer is \$12.90 for CofL, which goes to a major general with the maximum number of dependents.

Air Force Men Make Maryland Dean's List

Nineteen Air Force members from Bolling AFB and the Pentagon have made the Dean's List at the University of Maryland, with the equivalent to a B plus or higher grade.

Those acquiring the honor were Lt. Colonels Robert T. Hof, Ridgley D. Kemp, Carl C. Machemer, Ben La Parker, Edward J. Stealy, Charlotte C. Wildbur; Majors Louis O. Alder, William H. Bordner, Dewitte C. Gordon, Robert W. Iverson, John F. McDonnell, Carl Rechsteiner, Robert L. Ventres, Lawrence R. McKulla; Captains Melvin A. Carl David H. E. Opfer, William G. V. Platen; CWO Garland P. Kuntz and T/Sgt. William M. Curley.

M/G "Johnny" Hauck Of Army Heads All-Service Capitol Liaison Team

RESPONSIBILITY for 1959 liaison between the Defense Department and the Capitol will rest in the hands of five general and flag officers experienced in Congressional relations.

Maj. Gen. Clarence J. "Johnny" Hauck, jr., USA, will coordinate the liaison activities of the Services in his position as Assistant to the Secretary of Defense for Legislative Affairs.

General Hauck is a veteran of 12 years' experience on Capitol Hill. He was promoted to his new two-star rank on 24 December 1958 under a recess appointment.

General Hauck, who was 50 years old last month, has served continuously at the Capitol since October 1953, first as Chief of Army Legislative Liaison, and later in the Defense Department post. Earlier in his military career, he served for five years with the legislative liaison office of the War Department General Staff following its creation in 1942. Also, from January 1951 to August 1952, he was the Army Deputy Director for L&L in the Office of the Secretary of Defense.

The Army Chief of Legislative Liaison is Maj. Gen. John H. Michaelis, who came to the post in November 1956. He, also, had served an earlier tour of duty (March-September 1948) as Army liaison officer with the House Armed Services Committee. General Michaelis, USMA '36, won battlefield promotion to colonel during WWII airborne operations in

Europe and battlefield advancement to brigadier general in Korea in 1951. He celebrated his 46th birthday last August.

RAdm. John S. McCain, jr., Navy Chief of Legislative Liaison, was authorized to assume his new rank on 10 November, but with the continued pay of a captain until a vacancy for his regular promotion occurs. He has served in the post since June of last year and was selected for promotion to rear admiral last July. A USNA '37 graduate, Admiral McCain will be 48 on 17 January. Prior to his present assignment, he commanded the aircraft carrier Albany. Earlier, he had been Director of the Progress Analysis Group in the Office of the Chief of Naval Operations.

Maj. Gen. William P. Fisher, USAF, Director of Legislative Liaison for the

Air Force, took over his present assignment on 1 July 1958 after serving briefly as Deputy Director. Previously he had been Commander of the Eighth Air Force, Westover AFB, Mass. A 1934 graduate of North Carolina State College, General Fisher was 47 last August. He became a Flying Cadet in June 1934, completed his training the following year, served as a pilot for a year, was commissioned a second lieutenant in the Air Reserve, and received his Regular commission as a second lieutenant in the Air Corp on 1 Oct. 1936. During WWII, he commanded the 308th Bomb Group in China.

The Marine Corps has no legislative liaison office, as such. Admiral McCain's office represents the Corps on all legislative matters. However, Brig. Gen. James D. Hittle, USMC-Ret., serves as Legislative Assistant to the Commandant of the Marine Corps.

In that capacity, General Hittle is the Commandant's go-between in all matters which are referred personally to General Randolph McC. Pate by the Congress.

General Hittle who is 43, has served in the unique liaison post since mid-1953. Prior to that time he was executive officer

of the Naval ROTC Unit at the University of Utah. A 1937 graduate of Michigan State University, General Hittle commanded the Marine detachment aboard the USS Washington in the North Atlantic during WWII.

What's New In Army Ordnance?

The Journal's 1959 survey of what the Army is doing to meet its critical modernization problem and to reduce the lead time in weapons research and development will focus next in on-the-spot coverage of the famed Ordnance center at Aberdeen Proving Ground, Md.

As was the case with the Ft. Belvoir, Va., Engineer Center (3 January and 5 December 1958) The Journal will describe the activities at Aberdeen Proving Ground, commanded by Maj. Gen. H. N. Toftoy, USA, in a series of reports, in the 17 and 24 January issues.

\$6 Million Loss Hits Service Families

From first page—
of living in approximately 180 overseas areas.

The basic philosophy behind the revised allowances, is to pattern overseas station allowances according to the needs of rank and the number of dependents. Greatest beneficiaries under the plan will be high ranking officers and many personnel of all ranks with large families.

For example, a top-ranking enlisted man stationed at Anchorage, Alaska, with five dependents—the maximum number creditable under the new system—will receive a larger cost of living allowance than a four-star general without dependents. The E-9, however, receives less than a full general with a full house. The new system has a built-in flexibility which permits periodic recomputations of overseas station allowances to reflect fluctuations in cost of living and housing.

For example, before the revised rates established by the Committee became effective, a new set of rates was demanded by the sudden devaluation of the French franc.

The new cost-of-living plan—similar to that used by the State Department—establishes Service indices ranging from 102 through 160 at various overseas stations.

An analysis of a preliminary study—subject to revision—reveals that subsistence (to be known after 1 February as the COL allowance) will be wiped off the books in approximately 25 areas. The majority of countries where subsistence no longer will be paid are in South America and Eastern Europe.

Countries and areas of countries where subsistence allowances no longer will be paid are: Bolivia; Brazil; Newfoundland, Argentina, St. Johns and Stephenville, Canada; Chile; Columbia; Costa Rica; Cuba, except Havana; Ecuador; Hungary; Malta; Mexico; Panama; Paraguay; Peru; Philippines, except Manila; Poland; Puerto Rico, except San Juan; Madrid, Torrejon, Villatobas, Monon, San Pablo, Sevilla, Spain; Union of South Africa; Northern Ireland, Scotland; Uruguay; and Yugoslavia.

Although subsistence is killed in these areas, some officers and men will not experience complete dollar losses due to the fact that quarters allowances are increased in some of the areas. For instance, although officers and men lose \$1.90 subsistence in Bolivia, they recoup \$1.90 of this by the institution of a quarters allowance which, in the past, has not been paid. Another example; both officers and men stationed in Stephenville, Canada, lose \$1.20 in subsistence but pick up the entire loss by creation of a quarters allowance of \$1.20 where no payments for quarters were permitted in the past.

There are approximately 30 areas throughout the world where both officers and enlisted men of all ranks will experience cuts in subsistence payments. They are: Bermuda; Ottawa and Toronto, Canada; Czechoslovakia; Denmark; Eritrea; Ethiopia; Finland; Greece, except Rhodes; France, except the Seine Department and Seine et Oise Department; Honduras; Hong Kong; Reykjavik, Iceland; Ireland; Israel; Jerusalem; Libya; New Zealand; Nicaragua; Norway; Pakistan; Portugal, except Azores; Saudi Arabia; Taiwan; Blackbush-Camberley Area, United Kingdom; and West Indies.

Despite the fact that subsistence (cost-of-living) allowances are pared in the foregoing areas, some officers and men will experience net dollar increases as a result of stepped-up payments for quarters. In Bermuda, for example, where the officers flat subsistence allowance of \$1.35 will be slashed to a range of from \$1.35 to \$.90, the existing across-the-board quarters allowance will be jumped to \$3.25 for a colonel.

The Committee has established CoFL allowances for both officers and men in two areas where subsistence allowances have not been paid in the past. In Hawaii, CoFL payments from \$1.55 to \$3.50 have been authorized for enlisted men, and from \$1.90 to \$4.80 for officers up to colonel (Navy captain). The CoFL payments are limited to Kanai, Manai, and Melokai areas.

A quarters allowance has been established for the island of Oahu, which permits payments of from \$.75 to \$1.25 to EM's and \$1.25 to \$1.85 for officers up to the rank of colonel.

Oahu is the only area in the Territory
—Continued on page 24

10 Jan. 1959 (Vol. 96, P. 547)

Army Navy Air Force Journal

3

JCS Chairman's Strengthened Powers Are Told In New DoD Directive

THE following is the text of Section "F" of DoD Directive 5158.1, dated 31 December 1958, pertaining to the authority and responsibility of the Chairman of the Joint Chiefs of Staff.

With the issuance of this Directive, General Nathan F. Twining, USAF, was charged specifically with:

1. Serving as a member of and presiding over the Joint Chiefs of Staff.

2. Providing the agenda for meetings of the Joint Chiefs of Staff and assisting them to prosecute their business as promptly as is practicable.

3. Furnishing the Secretary of Defense with periodic progress reports on important items of current interest being considered by the Joint Chiefs of Staff.

4. Keeping the Secretary of Defense informed on issues upon which agreement among the Joint Chiefs of Staff has not been reached, and forwarding to the Secretary of Defense the recommendations, advice, and views of the Joint Chiefs of Staff, including any divergencies.



General Twining

cluding any divergencies.

5. Arranging for the provision of military advice to all offices of the Secretary of Defense.

6. Making arrangements to relieve the Joint Chiefs of Staff of matters of lesser importance.

7. Organizing the Joint Staff and the subordinate structure of the organization of the Joint Chiefs of Staff to insure that they are designed to accomplish efficiently the tasks to be assigned.

8. Managing the Joint Staff and its Director on behalf of the Joint Chiefs of Staff. The term manage means to conduct, to guide, and to administer the work of the elements affected, and to insure that the work is performed in a manner that will permit the Secretary of Defense and the Joint Chiefs of Staff to discharge their total responsibilities. The Joint Staff shall perform such duties as the Joint Chiefs of Staff or the Chairman of the Joint Chiefs of Staff prescribes.

9. Keeping the Joint Chiefs of Staff informed, as appropriate, concerning any matter that is referred by the Chairman to the Secretary of Defense with a recommendation that it be assigned to a military department for consideration or action.

10. Appointing consultants to the Joint Chiefs of Staff from outside the Department of Defense, subject to the approval of the Secretary of Defense and with the advice of the Joint Chiefs of Staff.

Pentagon Still Needs New Functions Paper

From first page—

proved by the President 21 April.

Five years later, the Defense Reorganization of 1953 was necessary.

The 1953 Reorganization, followed in another five years by the latest changes, created the Executive Agent system for the control of the unified commands by the various Service Secretaries acting for the Secretary of Defense and the President.

The Executive Agent approach has been dropped in the new plan. The Secretary's control over the unified and joint commands is exercised directly, and the field commanders report to him directly.

The strengthened command control of the Secretary of Defense, and the related command powers of the unified commanders, coupled with the build-up of the Joint Staff of the Joint Chiefs of Staff, are the heart of the new organization.

This centralization of command authority is geared essentially to the needs for quick global decisions and rapid execution of orders, with streamlined channels of communication.

nels of communication.

At the same time, the new organization provides a means for accelerating vital decisions on "roles and missions," provided, of course, that the Secretary of Defense, the JCS Chairman and JCS members do not attempt to avoid the controversies that inevitably must attend fundamental decisions on development and employment of weapons.

Whatever the improvements in the Defense Organization as a result of last year's Congressional action and the 31 December directive, there is every reason to conclude that even under the 1953 Reorganization, as "clarified" by former Secretary of Defense Wilson in 1956, urgent decisions would have to be made in the next year or two on Space Age roles and missions.

The 1958 "Functions Paper" hardly will have been distributed to the last of the unified and joint commands before the Services will be polishing their presentations for the next "roles and missions" directive and/or clarification, which all know must come soon.

Personnel On Taiwan Will Lose Money

ALL U. S. military personnel receiving subsistence and quarters allowances in the Taipei area of Taiwan will lose money under the new cost of living and housing allowances which go into effect 1 February. Subsistence allowances for officers before 1 February were \$3.30 per day, quarters allowances, \$.75. The new rates, by grade and number of dependents, are shown below:

COST OF LIVING							HOUSING	
Grade	Number of Dependents						With-out Dependents	With Dependents
	None	1	2	3	4	5		
O-10,-9, and-8	.65	.85	.90	.90	.95	1.05	none	1.05
O-7	.65	.80	.85	.90	.95	1.00		1.05
O-6	.60	.70	.75	.80	.85	.90		1.40
O-5	.55	.65	.65	.70	.75	.80		1.40
O-4	.50	.60	.65	.65	.70	.75		1.55
O-3	.45	.55	.55	.60	.65	.70		1.90
O-2	.35	.45	.45	.50	.55	.55		1.90
O-1	.30	.35	.35	.40	.45	.45		1.90
W-4	.45	.55	.60	.65	.65	.70		1.90
W-3	.45	.50	.55	.55	.60	.65		1.90
W-2	.40	.45	.50	.50	.65	.60		1.90
W-1	.35	.45	.45	.50	.50	.55		1.90

It Will Be Merry For Some, Glum For Others In London Allowances

SENIOR Officers may gain and junior officers stand to lose money under the new cost of living and housing allowances for London. The old rates were an across-the-board \$2.55 per day for subsistence and \$2.05 for quarters. The new rates are:

COST OF LIVING							HOUSING	
Grade	Number of dependents						With-out Dependents	With Dependents
	None	1	2	3	4	5 or more		
O-10,-9, and-8	2.00	2.50	2.65	2.75	2.90	3.10	2.30	3.85
O-7	1.95	2.40	2.55	2.65	2.80	2.95	2.30	3.85
O-6	1.75	2.15	2.25	2.40	2.50	2.65	2.30	3.85
O-5	1.60	1.90	2.00	2.10	2.25	2.35	2.10	3.50
O-4	1.50	1.80	1.90	2.00	2.10	2.25	1.75	2.90
O-3	1.35	1.60	1.70	1.80	1.95	2.05	1.65	2.75
O-2	1.10	1.30	1.40	1.50	1.60	1.70	1.45	2.40
O-1	.90	1.05	1.10	1.20	1.30	1.35	1.35	2.25
W-4	1.40	1.65	1.80	1.90	2.00	2.10	1.75	2.90
W-3	1.30	1.50	1.60	1.70	1.80	1.90	1.65	2.75
W-2	1.15	1.35	1.45	1.55	1.65	1.75	1.45	2.40
W-1	1.10	1.25	1.35	1.45	1.55	1.65	1.35	2.25

A Four-Degree Lieutenant Colonel Heads New AF Academy Library

THE U. S. Air Force Academy Library—one of the fastest growing libraries in the world—was opened officially 5 January by Maj. Gen. James E. Briggs, USAFA Superintendent.

The Academy Librarian is Lt. Col. George V. Fagan, who is directly responsible to the Dean of Faculty, Col. Robert F. McDermott.

With a seating capacity of 800, the library was established in 1955 under direction of Lt. Col. Arthur J. Larsen,

who retired in 1956.

Since that time, Colonel Fagan has seen the Library grow to a collection of over 80,000 books and documents, with an ultimate collection of 250,000 volumes planned.

A graduate of Temple University in Philadelphia where he received his BS and MA degrees, Colonel Fagan subsequently received a Ph.D. in history from the University of Pennsylvania and an MA in Library Science from the University of Denver.

BREAKFAST COST UP—SUPPER DOWN

A REVISION of the food charges at Army field and garrison messes has increased the rates for breakfast, and reduced the rates for some dinner and supper meals.

Total daily subsistence charges will remain the same: \$1.60 per day basic meal rate for normal food and operating costs, and \$2.25 per day when personnel are subject to special per diem rates.

Breakfast will increase five cents for both classes. It will now cost \$.40 under the basic rate, and \$.60 under the special per diem rate.

Dinner remains at \$.65 at the basic rate, although supper is reduced from \$.60 to \$.55.

At the special per diem rate dinner goes down from the present \$.90 to \$.85. Supper remains at \$.80.

A breakdown of costs under the new rates, published in Change I to AR 30-30, shows that while operating costs have been reduced, food costs have been increased a similar amount.

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UP TRUCK! Climbing a hill like this appears to be no trouble for the prototype XM443E1 convertible cargo-personnel carrier developed by Willys Motors, Inc., in cooperation with the Army Ordnance Corps. Second of the lightweight platform-type vehicles, the model features quick conversion from personnel carrier to ¼-ton truck by folding four of the six seats into the bed. It is made largely of aluminum, including the 100-horsepower engine mounted under the platform. The Army and Marine Corps have ordered five for evaluation tests.

Sergeant Missile Marches Forward

Revealed early in 1958, the Army's first second-generation surface-to-surface tactical missile, the Sergeant, enters the developmental hardware stage early in 1959 with announcement of \$22 million in contracts to Sperry Rand Corporation's Sperry Utah Engineering Laboratory for continued development and manufacture of the 30' weapon designed to replace the Corporal.

Considerably smaller than the Corporal, the Sergeant will have greater mobility, accuracy, reliability and battlefield usefulness than its predecessor, according to the Army and Sperry.

USMA RHODES SCHOLARS

Among the 32 U. S. students awarded Rhodes Scholarships this year are five USMA '59 Cadets, Peter M. Dawkins; Cuthbert P. Hutton; James F. Ray; Stanley M. Kanarowski, Jr.; and Michael J. Gillette.

This is the highest number of Cadets named in any one year. Previous records were four from '55 and three each from the Classes of '46 and '54.

CADET DAWKINS, First Captain and Brigade Commander, the son of Dr. and Mrs. Henry E. Dawkins of 1829 Greenleaf Street, Royal Oak, Mich., ranks No. 7 in a class of 501, and has been a "Star Man," (in the top 5% of his class), his entire four years. He was Captain of the 1958 Army football team, President of the Class of 1959, and a member of the Special Programs Committee and the Cadet Chapel Choir.

CADET HUTTON, son of Mr. and Mrs. Paul C. Hutton of 1833 Fendall Avenue, Charlottesville, Va., is a Captain in the Corps of Cadets and Commander of the Second Battalion of the Second Regiment. He was born in Dublin, Ireland, and attended English High School in Istanbul, Turkey, and St. Paul's School in London, England.

CADET RAY, Captain and Commander of the Third Battalion, Second Regiment of the Corps of Cadets, is the son of Lt. Col. and Mrs. Claude E. Ray of 109 Hill Drive, Ft. Lee, Va. He holds the rank of Eagle Scout in the Boy Scouts of America.

CADET KANAROWSKI, JR., is the son of Mr. and Mrs. Stanley M. Kanarowski, now of 4542 Granville Court, Toledo. He holds the rank of Captain in the Corps of Cadets and is Supply Officer of the Second Regiment.

CADET GILLETTE is the son of Col. and Mrs. Edward C. Gillette of West Point, and Castine, Maine. His father is Professor and Head of the Department of Physics and Chemistry at USMA. Cadet Gillette holds the rank of Lieutenant in the Corps of Cadets and has been active in athletics, including hockey and lacrosse.

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Deputy Sec'y Quarles Concedes Ambiguities; They Show In Army-Air Force Air Defense

DEPUTY Defense Secretary Donald A. Quarles, one of the all-time Pentagon champions of precise speech, even at a 31 December pre-New Year's Eve meeting with reporters, can be counted on to concede that ambiguities exist in an official document when, indeed, such is the case.

Questioned closely as to the impact of the new Defense Department "Functions Paper" on missile air defenses, and specifically tasks assigned to the Army and Air Force, Mr. Quarles said:

"This is the present roles and mission delineation and it has not been changed

and there is no intent in this document to change it. I can't assert," he continued, "that this document leaves no ambiguities, because it's a very complex situation."

"But at any rate it is a continuation of the present role and mission relationship between the Army and the Air Force in this area and the wording I think you will find has not been changed."

Reporters had expressed curiosity as to the phrasing of Section "B" of the Army's Primary Functions, which states:

"To organize, train and equip Army air defense units, including the provision of Army forces as required for the defense of the United States against air attack, in accordance with doctrines established by the Joint Chiefs of Staff" (italics supplied).

In the Air Force's Primary Functions—Section "G," the document states:

"To develop, in coordination with the other Services, doctrines, procedures, and equipment for air defense from land areas, including the continental United States."

It was noted immediately that the Air Force section refers specifically to development of equipment and doctrine and omits the phrase "in accordance with doctrines established by the Joint Chiefs of Staff," continued in the parallel section for the Army.

Pursuing this "ambiguity" to a pointed issue, newsmen questioned Mr. Quarles about the ultimate utilization of the Nike Zeus anti-missile missile, being developed by the Army under orders from the Secretary of Defense.

At one point, Mr. Quarles was asked: "To clarify again, as far as this stands the Army has the mission here of development of the Nike Zeus. The doctrine according to this document here is now the responsibility of the Air Force. Who will employ the weapon, I take it, will be decided by the Joint Chiefs of Staff and is not now decided, or is this correct?"

Mr. Quarles replied: "I would say that it has not been decided, but that it is almost implicit that Nike Zeus, if standardized for deployment, would be procured, deployed and manned by Army components of the Continental Defense Command."

The newsmen persisted. Mr. Quarles was asked later in the session if it could be stated that the Army had been given the task of developing Zeus but that it "is not an assigned function or mission or what-have-you of the Army's as of this minute?"

To this, the Deputy Secretary responded as follows:

"These are all words of art so I am not quite sure how closely anybody is going to hold me on them."

"The Secretary of Defense has approved the proposal of the Army that the Army develop the Nike Zeus system,

and the Army is under contract, of course, developing the Nike Zeus system.

"There has been no determination to procure it for inventory and deploy it,

—Continued on page 13

U. S. ARMY MISSILES



The man:

A U.S. Army missileman working with Nike Hercules missile equipment. The modern Army relies heavily on the special skills and knowledge of men like this who are trained extensively in military schools, and supported technically in the field by Army Ordnance Corps, Western Electric and Douglas field service men.

10 Jan. 1959 (Vol. 96, P. 549)

Army Navy Air Force Journal 5

U. S. ARMY ORDERS

Wilber M. Brucker—Secretary of the Army
Hugh M. Milton, II—Under Secretary of the Army
—Assistant Secretary (Manpower & Reserve Forces)
Dewey Short—Assistant Secretary (Civil-Military Affairs)
Frank H. Higgins—Assistant Secretary (Logistics)
George H. Boderick—Assistant Secretary (Financial Management)
William H. Martin—Director, Research and Development
General Maxwell D. Taylor—Chief of Staff

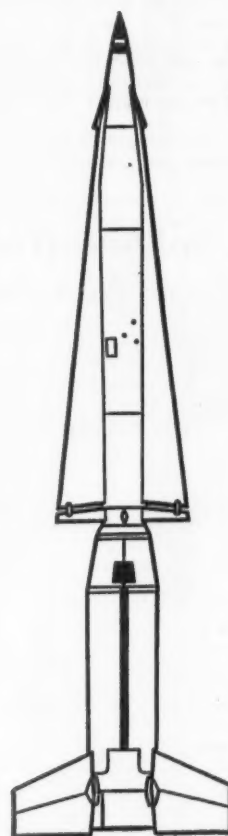
GENERAL OFFICERS—

Brig General
Easterbrook, Ernest F., Wash, DC, to USA
Avn Cen, Ft Rucker.
Hauck, Clarence J., jr; recess temp apt to
Maj Gen announced; W/DR 1 Jul '54.

INFANTRY—

Major
Cunningham, James P., Ft Monroe, to duty
sta Ft Jay, NY (remains asg USA Fld Det
M OACSI USA, Wash, DC).

—Continued on page 13



The missile:

Douglas-built Nike Hercules, product of a Douglas-Western Electric-Army Ordnance team, has successfully engaged supersonic drone targets at altitudes well over 60,000 feet. Other drone targets have been destroyed up to 100,000 feet, and at ranges beyond 75 miles.

Status Combat ready
Range 75 miles plus
Speed Supersonic
Warhead. Nuclear or conventional
Service U. S. Army

The mission:

Defense of U.S. cities. Army Nike Hercules units are already on duty at many key points...have the important assignment of guarding against enemy aircraft.

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Polaris Sub Program Shoots For Billion Dollar Mark; New Class Wins Funds O.K.

POLARIS Fleet Ballistic Missile Submarine construction is sighting on a billion-dollar mark in 1959.

The Defense Department, on the eve of the New Year, gave the Navy a green light to obligate \$105 million of a total \$609 million voted by Congress for four atomic-powered Polaris submarines in addition to the five now under construction.

Pentagon officials indicated that the remainder of the Congressional authorization, which Secretary of Defense McElroy had been withholding pending technical progress in the Polaris program, would be released.

The new increment of four Polaris submarines will be the largest undersea ships in world history.

The lead ship in the new class, to cost about \$105 million, will be built by the Electric Boat Division of the General Dynamics Corporation at Groton, Conn.

Electric Boat, which built the first nuclear submarine, USS Nautilus, is constructing the first Fleet Ballistic Missile Submarine, the George Washington, which will be commissioned in December 1959, and a sister ship, the Patrick Henry.

The George Washington-class submarines are 380 feet long and displace 5600 tons (light).

The new class of Polaris submarines

will be longer and heavier than the George Washington. They will be shorter—although heavier—than the Navy's only atomic radar picket submarine, the 5450-ton Triton, which is 447 feet long.

In announcing construction awards for the first five Polaris submarines, the Navy indicated their cost would range from about \$85 million to \$110 million each.

With five FBM submarines under construction; a sixth newly awarded; with early approval forecast for construction of three more of the new class; and with additional funds to be voted before July, the Polaris submarine construction program by the end of the year will pass the \$1 billion mark.

RADM. Robbins Heads New Disability Board; Replaces Five Navy-Marine Corps Groups

Five boards which dealt with retirement of Navy and Marine Corps officers for reasons of physical disability have been abolished and their functions consolidated under a single organization, known as the Naval Physical Disability Review Board.

Formerly the Physical Disability Appeal Board (Navy), the newly organized Review Board, headed by RADM. Thomas H. Robbins, Jr., will handle all cases relating to the retirement or separation of Naval personnel as a result of physical disabilities covered by the Servicemen's Readjustment Act of 1944 and the Career Compensation Act of 1949.

The Navy said consolidation of the functions of the five boards will permit more effective disposal of cases involving members and former members of the Naval Service.

Disestablished are the Naval Retiring Review Board (Navy); Naval Retiring

Review Board (Marine Corps); Naval Medical Survey Review Board; Physical Disability Appeal Board (Navy); and Physical Disability Appeal Board (Marine Corps).

Permanent medical members of the Review Board are Capt. Guy E. Starr, MC, and Capt. Marcy Schupp, MC.

Line members of the Board are Captains Frank Novak, Williston L. Dye, Earl T. Schreiber, George B. Chafee, Gordon R. Keating, and Alfred L. McCubbin; and Cdr. Albert J. Holliday.

E-8's & E-9's May Ship More Household Goods

Top-ranking enlisted men in all the Services will be authorized to ship more household goods starting 1 February when a new change to Joint Travel Regulations becomes effective.

Approved after recommendation by the Navy's Bureau of Supplies and Accounts, the new weight allowances give E-8's permission to ship 7,000 pounds on a permanent change of station and 600 pounds under temporary orders. The authorization for E-8's is 6,500 pounds for permanent moves and 500 pounds for temporary moves.

The new allowances compare with the present E-7 allowance of 6,000 pounds for a permanent move and 400 pounds for men on temporary duty orders.

The authorization is published in Change 77, Paragraph 8001, Joint Travel Regulations.

Navy Awards Contract For Record Drydock

The Navy has awarded a \$21.6 million contract for construction of the largest drydock of its kind ever built.

The drydock, scheduled for completion at the Puget Sound Naval Shipyard, Bremerton, Wash., in November, 1961, will be 1,152.5 feet long and will be capable of handling Forrestal-class aircraft carriers.

Leaving the service?

IF you are an officer or an enlisted man of E-6 or higher rating, and finishing your tour of duty, we'd like to talk to you.

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AWARD. Mrs. Jane Dennis is flanked by RADM. William R. Smedberg III, (left) Commander Cruiser-Destroyer Force, U. S. Pacific Fleet, and her son Lt. (jg) J. R. Dennis, Jr., as Admiral Smedberg presents Dennis with a citation and Distinguished Service Medal awarded posthumously to her husband RADM. Jefferson R. Dennis, USN. Ceremonies were held on board Admiral Smedberg's flagship USS Prairie (AD 15) in San Diego. Admiral Dennis received the award for service as Assistant Director, Naval Communications Division for Security Group Matters Head, Naval Security Group and Assistant Director National Security Agency, and Director of the Production Organization of that agency in Washington, D. C. from 15 June 1955 to 17 February 1958.



Eight Navy Captains, Two Marines Receive "Brevet" Star Ranks; More To Be Made

From first page—

of Amphibious Group One.

Capt. John A. Tyree, Jr., Commander, Service Squadron Three.

Capt. George H. Miller, who has been ordered as Commander, Cruiser Division Five.

Capt. Benedict J. Semmes, Jr., Commander, Destroyer Flotilla Three.

Capt. Bernard A. Clarey, who has been assigned to the Bureau of Naval Personnel for duty, and

Capt. William I. Martin, Commander, Airborne Early Warning Wing, Atlantic; Commander, Fleet Air, Argentina, and Commander, Barrier Atlantic.

The Navy said other captains who have been selected for promotion also will be permitted to assume the "brevet" rank as soon as they report to new assignments.

Included in this group is Capt. Louis J. Kirn, Chief of Staff and Aide, Commander, Carrier Division Four. Captain Kirn will be allowed to don his rear admiral's uniform when he reports for duty as Commander, Carrier Division Seventeen.

The two Marine Corps officers who have been given "acting" ranks are Maj. Gen. Charles S. Hayes and Brig. Gen. Thomas F. Riley.

General Hayes has been flying his "acting" flag since 1 December 1958 when he succeeded Maj. Gen. Arthur F. Binney as Commanding General of the First Marine Air Wing in Japan.

General Riley, Commander, formerly 9th Marine Corps Provisional Brigade, MCB Camp Pendleton, Calif., donned his "acting" star 2 January as successor to Brig. Gen. Alpha L. Bowser, Deputy Commanding General, First Marine Division at Pendleton. General Bowser is posted for duty as Commanding General, MCB 29 Palms, Calif.

General Hayes and Riley are the second and third Marine officers who have been given "acting" ranks in recent years. In April 1957, Brig. Gen. John P. Condon was made an "acting" general when he joined SHAPE as Deputy J-3. He made his regular promotion several months later.

General Hayes and Riley were chosen for promotion by the Fiscal Year 1959 selection boards.

Headquarters explains that General Hayes and Riley were given "acting" ranks to give them rank commensurate with their positions.

In advancing General Riley to "acting" one-star rank, Headquarters skipped over two senior colonels who were named for increased rank by the FY '59 selection board. The board chose a total of eight officers for promotion, including one Supply Duty and seven unrestricted officers.

To date, the two senior officers on the selection list have made their number under regular procedures. They are Brig. Gen. Henry W. Buse, Jr., Marine Corps Liaison Officer to the Office of the Chief of Naval Operations, and Brig. Gen. Herman Nickerson, Special Assistant to the Fiscal Director of the Marine Corps. General Nickerson was advanced to one-star rank 1 January at a ceremony con-

ducted at the Marine Corps Barracks Washington, D. C. He received his promotion from Marine Commandant General Randolph McC. Pate.

General Riley, under regular procedures, would have had to wait for promotion until Colonels William J. V. Ryzin and Raymond L. Murray preceded him to general officer rank. General Riley stands fifth on the regular selection list.

Headquarters said he was promoted "out-of-line" because he was needed for a specific position. It was explained that his "real" advancement to one-star rank will not be made until the two senior colonels on the selection list receive their promotions.

COAST GUARD

The following Coast Guard officers and warrant officers have been retired: Physical disability: Commander George E. Dobbins, John J. Borrow, Vincent H. Casey, and CWO-2 William H. Torrington.

30 Years Service: Lieutenant Commander Robert S. Wilson, Lt. Richard C. VanHine, CWO-3 Gilbert Ortiz, and CWO-2 John J. Pinton.

20 Years Service: Cdr. Ernest M. Espelle, Lieutenants Fred L. Finley, Ellis P. Ward, Elmer F. Nelson, CWO-3 Myles P. Lattin, CWO-2 Arthur L. Mudgett, Peter P. Zilkan, Dwight F. Coyne, Kenneth E. Gruenwald, and Huelette C. Yates.

LCdr. Edward A. O'Neill has been transferred from the temporary to the permanent retired list.

ASSIGNMENT CHANGES

Lieutenant Commander

Tiehen, Maurice W., CGAS, Brooklyn (Difot) to CGAD, Corpus Christi (Difot).

Lieutenant

Baker, Earl A., CGAD, Annette (Difot) to CGAD, Corpus Christi (Difot)—Cancelled. CGAD, Annette (Difot) to CNAVANTAS, Corpus Christi (Difot). Casey, Thomas J., CGD3 to HOME.

Lieutenant (jg)

Frantz, Donald L., Yakutat (Engr Duty) to TraSta, Groton (TEMINS/Loran Indoc) thence Base, Alameda (Duty)—Cancelled. YAKUTAT (Engr Duty) to TraSta, Groton (TEMINS/Loran Indoc) thence LTS, Kwajalein (CO).

Ketchel, Robert J., COOK INLET (Engr Duty) to TraSta, Groton (TEMINS/Loran Indoc) thence LTS, Kwajalein (CO) Canceled.

Lynn, John B., WESTWIND (Engr Trng Line).

Perry, William H., CGD1 to HOME.

Ensign

Swihart, Charles D., WESTWIND (Duty) to HQ (OA).

Chief Warrant-2

Doll, George D., CGD1 to Base, So. Portland Me. Fulcher, Dolly, WAL-189 (CO) to COT Savannah.

Chief Warrant

Matteson, Everett J., YAKUTAT to CGD1. The following assignments are conditional upon acceptance of appointment to warrant officer, W-1: Hauser, Earl F., CLEMATIS (Enl) to LILAC Haas, Sam, Jr., CGD5 (Enl) to YAKUTAT.

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NAVY ORDERS IMPROVED ASW SEAPLANES

The Navy has awarded a \$23 million contract for production of P5M-2 anti-submarine warfare seaplanes equipped with a new submarine detection system to The Martin Company's Baltimore Division.

Earlier models of the P5M-2 have been in fleet service since 1954. The new planes will carry a "far reaching and highly sensitive submarine detection system which will enable detection of enemy underwater craft over greater ranges than is presently possible with existing Navy Patrol planes," the Martin Company reported.

The twin-engine, gull-winged P5M-2s are capable of more than 12-hour patrol missions on anti-submarine warfare duty, and can be deployed at elusive water sites with a seaplane tender for support. These tenders act as water-borne airport control towers, and provide armament, fuel, maintenance, and servicing.

Overall length of the P5M-2 is approximately 100', its gross weight is 75,000 pounds, wing span 118', range 2,500 nautical miles. It carries a crew of 10 and is powered by two Wright R-3350 engines.

10 Jan. 1959 (Vol. 96, P. 551)

Army Navy Air Force Journal

7

U. S. NAVY ORDERS

Thomas S. Gates, Jr.—Secretary of the Navy

William B. Franke—Under Secretary of the Navy

*Garrison Norton—Assistant Secretary of the Navy for Air

Fred A. Bantz—Assistant Secretary (Material)

Assistant Secretary (Financial Management)

Richard Jackson—Assistant Secretary (Manpower, Personnel & Reserve Forces)

Admiral Arleigh A. Burke—Chief of Naval Operations

*Resignation effective February

CAPTAIN

Arendt, Eric H (ChC), MarCorB Camp Pendleton; to Force Chaplain FMF Pacific.

Blanchard, Theodore, ACofS for Naval Reserve and Training ComThree; to Naval Examining Board.

Bentley, James C, ACofS for Admin CnC LantFlt; to ChNavSec MAAG Norway Oslo.

Childs, Donald R (MC), NavHosp Phila; to BuMed.

Gillette, Norman C, Jr, CO USS Thetis Bay; to OpNav.

Gay, Jesse B, Jr, CofS and Alde ComCarDiv 15; to CO USS Estes.

Hahn, Elvin, US Taiwan Defense Command; to San Diego Group.

—Continued on page 21

Mark 19 Gyro Will Be Used Aboard Navy's New Carrier

The Navy's new aircraft carrier, USS Independence, commissioned at the Brooklyn Navy Yard 10 January, will be guided by one of the most prized navigation instruments in the world—the Sperry-developed Mark 19 Gyro-compass.

In addition to two Mark 19s, more than 30 of Sperry's Ships Course Indicators (essentially repeaters showing information obtained from the gyro-compass) are on the Independence.

The Mark 19 was used by the nuclear-powered submarines Nautilus, Skate, and Seawolf on their recent record-shattering voyages. The Nautilus commanding officer, Cdr. William R. Anderson, said, "If medals were given to equipment, we would have pinned one on the Sperry Mark 19 Gyro-compass."

The equipment is produced by the Sperry Piedmont division of Sperry Rand Corp., Charlottesville, Va.

Maj. Earney Is S-4 Of 29 Palms AAA Unit

Maj. William R. Earney, Commanding Officer, Third Marine Division's 3d Anti-Tank Battalion (Ontos), is the new S-4 Headquarters Anti-Aircraft Artillery, MCB 29 Palms, Calif.

He has been chosen for lieutenant colonel.

Maj. Earney succeeded Capt. Maurice H. Alexander, who held the post pending his arrival, and now is Assistant S-4 Officer.

The Major is married to the former Geraldine M. Jakubowski of Lackawanna, N. Y. They have two children, Elisabeth Ann, 9, and William, Jr., 5.

Cdr. Billingsley Joins NASA

Henry E. Billingsley, former Chief of the Western European Division in the Defense Department's Office of International Security Affairs, has been appointed Director of the National Aeronautics and Space Administration's Office of International Cooperation.

A commander in the Naval Reserve, he served on active duty with the Navy from 1941 to 1946 and 1950 to 1952. He resides with his family at 9319 Old Georgetown Road, Bethesda, Md.

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TRANS-TEXAS AIRWAYS
TRANS WORLD AIRLINES
UNITED AIR LINES
WEST COAST AIRLINES
WESTERN AIR LINES



MISSILE MEN AID COMMUNITY. Maj. John A. Webster, left, and Colonel John B. Hudson, members of the Air Force Ballistic Missile Division in Inglewood, Calif., receive awards for "special leadership" from the Los Angeles Community Chest chairman, Steve Brody, center. Colonel Hudson and Major Webster directed the efforts of some 20 USAF units in the greater Los Angeles area in support of the 1958 Community Chest Drive with a resulting 300 percent increase in contributions over the 1957 Red Feather Campaign.

Top AF Generals Face '59 Retirement Unless Extended

From first page—

have 39 years service as of 2 July 1959.

Like General Twining, the Chief of Staff either will be reappointed by the President or retire this summer.

The Air Force in the past, with certain exceptions, has made it a practice to retire officers in the rank of major general and above who complete 35 years service and who have 5 years in permanent two-star rank.

The question in 1959 is whether General Partridge and General Wyman, who will fulfill the criteria for forced retirement, will be retained on active duty.

General Partridge, the NORAD Cinc at Ent AFB, Colo., who will be 59 in July, completes 35 years promotion list service on 12 June. He has been a permanent major general since 29 February 1944.

General Weyland, TAC Commander at Langley AFB, Va., will be 57 on 27 January. He completes 35 years promotion list service on 15 June, and has held permanent rank of major general since 2 June 1944.

The retirement of any or all of the four full generals would set off a chain reaction of general officer shifts in the Air Force.

The following is the full list of 1959 Air Force "Mandatory Retirements" as released to THE JOURNAL this week.

Name	Temp Grade	Perm Grade	Ret Date	Reason
Agee, Walter R.	MajGen	Col	31 Mar	30 Yrs Svc
Sanders, Homer L.	MajGen	BrigGen	31 Mar	30 Yrs Svc
Warburton, Ernest K.	BrigGen	Col	31 Mar	30 Yrs Svc
Deichmann, Matthew K.	MajGen	BrigGen	30 Apr	5 Yrs BG
White, Thomas D.	Gen	MajGen	30 Jun	C/S Term.
Parker, Lewis R.	MajGen	BrigGen	31 Jul	30 Yrs Svc
Partridge, Earle E.	Gen	MajGen	31 Jul	35 Yrs Svc
Dubose, Thomas J.	BrigGen	Col	31 Jul	30 Yrs Svc
Horton, John C.	BrigGen	Col	31 Jul	30 Yrs Svc
Huglin, Harold C.	BrigGen	Col	31 Jul	30 Yrs Svc
Keeler, George E., jr.	BrigGen	Col	31 Jul	30 Yrs Svc
Lee, William L.	BrigGen	Col	31 Jul	30 Yrs Svc
Matheny, William A.	BrigGen	Col	31 Jul	30 Yrs Svc
McDonald, Thomas B.	MajGen	BrigGen	31 Jul	30 Yrs Svc
Napier, E. W.	BrigGen	Col	31 Jul	30 Yrs Svc
O'Hara, John J.	MajGen	Col	31 Jul	30 Yrs Svc
Persons, John W.	MajGen	Col	31 Jul	30 Yrs Svc
Robey, Pearl H.	MajGen	Col	31 Jul	30 Yrs Svc
Scott, Richard L.	BrigGen	Col	31 Jul	30 Yrs Svc
Tucker, Edwin L.	BrigGen	Col	31 Jul	30 Yrs Svc
Weyland, Otto P.	Gen	MajGen	31 Jul	35 Yrs Svc
Wallace, James H.	MajGen	Col	31 Jul	30 Yrs Svc
Winn, Raymond L.	BrigGen	Col	31 Jul	30 Yrs Svc
Zimmerman, Don Z.	BrigGen	Col	31 Jul	30 Yrs Svc
Twining, Nathan F.	Gen	MajGen	31 Aug	Chm JCS Ten
Lee, Robert E.	BrigGen	Col	31 Aug	30 Yrs Svc
Bassett, Harold H.	MajGen	BrigGen	31 Oct	5 Yrs BG
Glantzberg, Frederic E.	MajGen	BrigGen	31 Oct	5 Yrs BG
Parks, Harlan C.	MajGen	BrigGen	31 Oct	5 Yrs BG
Wood, Jack W.	MajGen	BrigGen	31 Oct	5 Yrs BG
Bowman, Harold W.	BrigGen	Col	30 Nov	30 Yrs Svc
Fowler, John G.	BrigGen	Col	30 Nov	30 Yrs Svc
Hood, Reuben C., jr.	MajGen	BrigGen	30 Nov	30 Yrs Svc
Jackson, James L.	BrigGen	Col	30 Nov	30 Yrs Svc
Parker, Hugh A.	MajGen	BrigGen	30 Nov	30 Yrs Svc
Sillin, Norman D.	MajGen	Col	30 Nov	30 Yrs Svc

AMC SHIFT?

Press dispatches from Washington, D. C., reported this week that Air Research and Development Commander Lt. Gen. Samuel E. Anderson has been selected to replace General Edwin W. Rawlings as Commander of the Air Material Command. It was said that General Rawlings would retire.

Defense Department officials denied that the shift has been ordered.

General Rawlings was named AMC Commander, Wright-Patterson AFB, Ohio, on 28 July 1951. He will complete 30 years' service for retirement in May 1960.

General Anderson took command of ARDC on 1 August 1957. He assumed three-star rank 1 May 1953.

Board Screens 3000 Inactive Captains

Air Force reserve captains not on extended active duty, except those assigned to the Inactive Status List Reserve Section, with a promotion service date of 30 June 1953 or earlier, will be considered for promotion to major by a selection board which will meet 24 to 27 February at the Air Reserve Records Center, Denver.

The board will consider approximately 3,000 nonactive duty captains.

Reserve officers eligible for consideration for promotion are authorized by Section 8362 Title 10 U. S. Code to submit a letter to the president of the selection board containing any information that they desire the board to consider in their behalf.

Lockheed Hercules Completes Rugged Tests Meets AF Specs. For "Assault Transport"

The prop-jet Lockheed C-130 Hercules has completed tests expected to qualify it as the largest "assault transport" in the Air Force, it was reported 8 January.

The troop-and-cargo carrier, weighing up to 116,000 pounds for the tests, made take-offs, landings, and taxi-runs in the bush-covered, sandy loam fields at Eglin AFB, Fla., Chief Engineer W. A. Pulver of Lockheed Aircraft Corporation's Georgia Division disclosed.

The Hercules handled this heavy load on rough, unprepared fields for five days of intensive testing at the Air Proving Ground Center, without sustaining any aircraft damage.

The plane sank deeper than 20 inches into the sand during some of the roll-outs. Its landing gear doors were dragging four to six inches in the sand at the end of rollouts. Pilots prevented the C-130 from sticking in the sand by applying power to keep it moving.

The Hercules' performance met the specifications of the Air Force for an "assault transport" capable of landing men and supplies virtually anywhere in the world, without necessity of paved runways or even "hastily-prepared fields," Chief Engineer Pulver said.

An Air Force project officer with the Air Proving Ground Center, who flew on all 50 tests at Eglin and a Lockheed flight test engineer will make reports to the Air Research and Development Command.

If the Air Force, which had approved the test program as outlined, qualifies the C-130 as an "assault transport"—Mr. Pulver said he feels sure it will—the Hercules will exceed the specifica-

tions originally established by the Army and Air Force for this military transport.

Original specifications required the troop-cargo carrier to be able to land on "hastily-prepared" runways. As an "assault transport," it will have to be capable of landing and disgorging troops and supplies on rough, unprepared terrain, and flying out the wounded.

Capt. Ken Scheffer, project officer with the Air Proving Ground Center at Eglin, was in the plane, either as pilot or copilot, on all the tests. The Lockheed crew included Pilot Vern Peterson, Co-Pilot Carl Hughes, Flight Engineer A. P. (Bob) Brennan, and Flight Test Engineer E. B. Brooks.

Air Force Will Buy Six Vertol Copters

The Air Force, has awarded Vertol Aircraft Corporation, Morton, Pa., a \$1 million contract for six 44A helicopters, spare parts, ground support equipment and handbooks.

A highly improved and commercially certified version of the H-21-type helicopter, the Vertol 44 is in service with both commercial and military operators in many parts of the world. They are being flown by the Royal Swedish Navy and were most recently ordered by the Japanese Ground Self-Defense Forces. New York Airways, Inc. and Spartan Air Services fly fleets of Vertol 44's in commercial operations. Early versions of the Vertol 44 are in service with the West German and French governments.

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Former AF Combat Pilots Get Posts In Douglas Weapon System Organization

Two former Air Force combat pilots will head two major functions within the newly-established Weapon Systems Organization of the Douglas Aircraft Company, it is announced by President Donald W. Douglas, jr.

These functions have been designated Marketing and Requirements, with Alfred V. Guillou as Manager, and Plans and Programs, with Peter Horton as Manager. They will report to Charles R. Able, Director-Weapon Systems.

Marketing and Requirements will have the responsibilities previously assigned to Military Sales, a department which has been superseded by Weapon Systems, Mr. Able explained.

These include the duties of gathering information on military requirements, close liaison with the operating commands of the military services and various departments of the company, and sales promotion.

In addition to the functions previously performed by Military Sales, Weapon Systems will have an expanded role through Plans and Programs. This will involve the responsibility of developing integrated plans, coordinating the implementation of such plans and providing information to management about existing and future military programs.

Mr. Guillou, who has been Assistant Director of Military Sales, brings to his new assignment 12 years of experience with the Douglas Company and six years in the Air Force. He was graduated from the California Institute of Technology



Mr. Guillou

with a B.S. degree in Electrical Engineering in 1940 and entered the Air Force the same year, serving as an A-20 pilot in the Third Attack Group, and later in the Headquarters of the Eighth Air Force and the U. S. Strategic Air Forces in Europe, and in the Office of the Director of Requirements, U. S. Army Air Forces. He joined Douglas in 1946.

As Manager of Plans and Programs, Mr. Horton will draw upon years of experience with the Douglas Company, with the Air Force and with the Naval Supersonic Laboratory at the Massachusetts Institute of Technology. Earning his B.S. degree in Aeronautical Engineering at M.I.T., he interrupted his studies in 1940

Delaware Honors Four Heroic AF Officers

Delaware has awarded its highest heroism honor to four Dover AFB officers who rescued a Delaware Air National Guard pilot from the flaming wreckage of his jet plane last September.

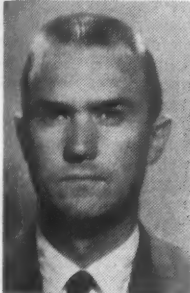
Receiving the Conspicuous Service Cross from Governor J. Caleb Boggs, were Capt. Roger G. Thorpe, Base Flight Surgeon; and First Lieutenants Raymond A. Malcarne and Donald D. Presley, of the 98th Fighter Interceptor Squadron. Col. John R. DeLapp, Commander of the 98th FIS, accepted the award for the fourth recipient, 1st Lt. Roland C. Urie, who was unable to be present.

The four officers pulled the badly burned pilot, 1st Lt. Thomas W. Nale, III, from his F-86 Sabrejet after it crashed and burned near the base. Captain Thorpe received minor burns on his hands while extricating the pilot.

to join the Air Force and served as a combat pilot included 52 missions and command of an A-20 squadron in New Guinea.

After graduation from M.I.T., he worked in the Naval Laboratory on the Naval Missile Program as an Aeronautical Engineer on Guidance and Control Systems.

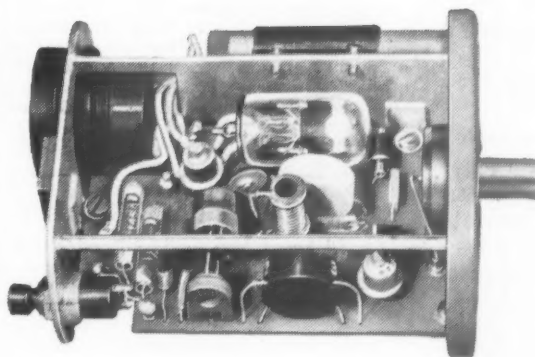
During the Korean War, Horton served in the Office of the Deputy Chief of Staff for Development, Headquarters, USAF. In 1954 he joined the Douglas Military Sales Department where he has been in charge of the Combat Systems group.



Mr. Horton



Lawrence Koerner, who developed the portable frequency standard, demonstrates how the device can be plugged in at a radio relay station to supply a checking frequency. Battery-powered, the device maintains precision calibration for several months.



Inside the portable frequency standard. Four Laboratories-developed devices make it possible: (1) transistor, which converts the power from a battery to radio frequency oscillations; (2) voltage reference diode, which maintains constant voltage; (3) piezoelectric crystal unit of superlative stability; (4) thermistor, which corrects for temperature variations.

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Malcolm A. MacIntyre—Under Secretary of the Air Force

Dudley C. Sharp—Assistant Secretary (Material)

Lyle S. Garlock—Assistant Secretary (Financial Management)

David S. Smith—Assistant Secretary (Manpower Personnel & Reserve Forces)

Richard C. Horner—Assistant Secretary Research & Development

General Thomas D. White—Chief of Staff

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Liston, Walter F, Ellsworth AFB, to 6th

Trans Sq, SAC, Walker AFB.

Fr Ent AFB to Sta Indicated

Rigney, Charles E, 56th Ftr-Intep Sq, ADC,

Wright-Patterson AFB.

Germeraad, John H, Det 7, 1141st USAF Sp Act Sq, (USEUCOM), APO 128, NY.

MAJOR

Reynolds, Gardiner B, jr, Andersen AFB,

Guam, to 817th ADiv, SAC, Pease AFB.

Marlin, Glenn F, Ent AFB, to Hq 314th ADiv,

PacAF, APO 970, SF.

—Continued on page 21

Bell Laboratories Develops Pocket-Sized Frequency Standard for Microwave Systems

Microwave radio relay systems depend critically on the accuracy of their "carrier" frequencies. At scores of relay stations along a route, carrier frequency oscillators must be checked periodically against a signal from a precise standard.

In the past, the maintenance man has had to obtain his checking frequency by picking up a standard radio signal from a government station. This operation takes time—and requires elaborate equipment.

With a new portable frequency standard developed by Bell Telephone Laboratories engineers, the job is much simplified. To check an oscillator, the portable standard is plugged in, and a button is pressed. In seconds, it supplies a checking frequency accurate to one part in a million.

Until now, such precision in a frequency standard has been obtainable only in a laboratory. The new portable standard makes it available for routine use in the Bell System. First use of the standard will be to maintain frequency control in a new microwave system for telephone and TV, now under development at Bell Laboratories. Other potential uses include on-the-spot maintenance of closely spaced channels of commercial and military communication systems.



BELL TELEPHONE SYSTEM

ARMY
NAVY
AIR FORCE

JOURNAL



"SPOKESMAN OF THE SERVICES SINCE 1863"

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10 JANUARY 1959

DoD's New Functions Paper Solves No Problems

The Department of Defense's new directive setting forth the functions of its various components is little more than a rephrasing of the provisions of the Reorganization Act of 1958. It draws the line of authority under the new command structure as provided by that Act, thus by-passing the military departments, but does nothing whatsoever to modernize the 1948 Key West agreement on roles and missions.

This failure to take a bold step leaves the development of missiles and military space devices as unsettled as ever. In fact, with the multiplicity of new offices and organizations set up during the past year, it is hard to foresee how anything but more confusion can result.

Aside from the missile projects underway in each of the Services, we now have such top-side organizations as the Advanced Research Projects Agency, the Director of Guided Missiles, and the brand-new Director of Research and Engineering—all at the Defense Department level. The functions of the Director of Guided Missiles will be phased into the new R. & E. office, so that the former office will be abolished later, or rather become a component of the new Director's office.

Beyond the DoD's ken, but directly concerned with the military missile and space programs, there is now the new National Aeronautics and Space Agency and its Council, headed by the President. A special liaison committee is required to correlate its work with that of the military. Then there is the office of Dr. James R. Killian, jr., who as special advisor to the President on scientific matters, is a key figure in policy matters affecting missiles and space projects for the military. Now the President has approved a new Federal Council for Science and Technology.

The Department apparently is leaving for future determination a clearer picture of the role of the individual Services in missiles and space. We hope that this is in the works and will be revealed soon to the end that each arm will know precisely what is expected of it in both the development and operational fields.

New Station Allowances Cut Pay On Short Notice

The Department of Defense's unheralded and drastic revision of its system for computing overseas subsistence and quarters allowances strikes us as being unnecessarily harsh.

Despite the logic of the Pentagon's official explanation (full text, *THE JOURNAL* 3 January) that the new system is more equitable in that it treats individuals according to rank and number of dependents, the fact of the matter is that thousands of officers and enlisted personnel and their families will suffer considerable reduction in income for that portion of their current overseas tours extending beyond the 1 February date set for putting the new system into effect.

To these thousands, the Department's action means changing the rules in the middle of the road.

What hurts is that this action was taken not by an agency outside of the Defense family, such as Congress or the Bureau of the Budget, but was imposed on military families by their own Department of Defense.

We are not convinced that these wholesale reductions in personal income, which appear to overwhelm vastly the few increases, are necessary or justified. But assuming that they had to be made, the Department should have shown concern for those now serving abroad by giving some appreciable advance notice of its intentions. As it is, the only warning to Service personnel came in *THE JOURNAL*'s exclusive report in the 26 July 1958 issue that the Comptroller General had given the Department a ruling that it has authority to base overseas per diem payments upon both rank and number of dependents.

The Department had a number of methods by which it could have eased the blow. It could have set an effective date far enough in advance so as to have avoided changing the rules on those now serving overseas and to have warned those subsequently assigned that they will be serving at a lower per diem. It could have followed the usual Congressional procedure and put in a "saving clause" to prevent penalizing those now on foreign tours. It could have put the reductions into effect by increments,

just as it once proposed putting pay increases into effect over a period of years.

Much has been done by Congress and the Department over recent years to raise morale and increase career incentives. We urge the Department to carry forward this program by easing the administration of this new station allowance system.

Responsibility Renewed: "Spokesman Of The Services"

With the start of a new Congress, *THE JOURNAL* takes this opportunity to renew on behalf of military men and their families throughout the world a pledge to do our best in the year ahead—as we have striven to do since 1863—to be an effective "Spokesman of the Services."

Members of the Armed Forces cannot rely, of course, on union leadership or trade associations, pressure groups or lobbyists to present their viewpoints to Congress. The Defense Department must speak for the Administration.

THE JOURNAL, however, is completely independent. We speak for no one but the cause of National Defense and those who serve it. Throughout 95 years of publication, *THE JOURNAL* has been an important means of transmitting to Congress the ideas and suggestions of military people, such as for example the Navy Commander's communication on incentive pay on this page, and the controversial comments they are certain to stimulate.

Week by week, the "Readers' Views" columns afford members of the Services and their families an opportunity to state their convictions, knowing that their expressions will be read closely not only on Capitol Hill, but at the White House and Pentagon as well.

We recognize that for obvious reasons our readers often will need to have their names omitted from the published letter. This will always be done upon request. Never in our history—and there have been times when foolish persons attempted to apply pressure—have we revealed the name of a letter writer without his permission in writing. We do insist, however, that all communications to "Readers' Views" carry a signature and address so that we may be assured of their authenticity.

READERS' VIEWS

Incentive Pay For Line Officers: A Commander's Comments

I note in the 20 December issue of *THE JOURNAL* a young Army chaplain's very fine views on incentive pay for members of the Chaplain Corps. The author's training background certainly qualifies him professionally to set forth his views and I take no issue with him on the intent of his article, however biased his opinions appear to be.

However, it seems to me that this "incentive pay" business is getting a little out of hand. First we boost the pay of Medical and Dental Corps, supposedly on the strength that such action would entice more doctors to serve their country as career officers.

Now we have a group working to add the lawyers to the higher pay bracket, and it appears that Chaplain Corps has started looking for a road that will lead to the "not so buried" treasure pot. The Supply Corps, construction and other organizations that may fall under the general heading of "Staff Corps" have not yet, as far as I can determine, fired the opening shot, but are no doubt loading the old musket at this moment. And why not? They are specialized also.

Now let's have a look at another

group of specialists—the General Line Officer. Being a Navy man, I use the term *General Line* and include equivalent categories of officers in the sister services. The "Command" Corps, we might say. This group is highly trained in the field of overall military administration. As they slowly advance in rank, they become skilled in the management and direction of the functions of everything from a small division of men to large multi-million dollar units.

Yet, search as I might for some indication that this group of "professional" men are going to get incentive pay for such duty as standing long watches at sea with the responsibility for the proper functioning and safety of large ships and their crews, for being on duty 24 hours a day, for accepting any responsibility assigned, etc., so help me, I can find nothing that indicates a possible increase in the old pay check.

Some Congressmen jammed through an incentive pay bill of sorts that could include our boys of the General Line, and are demanding that the Defense Department do something about it. But where does the Defense Department start? Since each of us is supposedly qualified in his selected field, and it takes all fields to make the organization a whole, who can say that one is more important than the other?

When the above-mentioned bill had been kicked around in Congress and it looked like the infant was going to be born, there were many ideas among us members of the outer circle as to just what it was and who would benefit. It looked like such technical fields as electronics would gather in the gravy. A highly capable (and indignant) Chief Petty Officer, who specializes in making aircraft engines purr like kittens, asked this question: "Commander, if you are flying over the ocean on a cold winter night, which would you rather have operating, your engines or your radar?"

Such a question pretty well summarizes the general opinion of incentive pay. And it's my unsolicited opinion that that's the reason the Defense Department is having chills over the

IN THE JOURNAL

10 Years Ago — The President will send his 1950 budget to Congress on Monday, 10 January. The word has gone forth that the budget carries an estimate for the additional fund necessary to put pay increases into effect.

50 Years Ago—Councillor Martin of Berlin, states that the progress already made in aeronautics will suffice to drive the British fleet from the North Sea. Germany's present airships could cross the Channel several times without stopping for gas or benzine. . . .

95 Years Ago—Of the whole number of men held to service under the first draft, about one-seventh served in person, two-sevenths served by substitute, and four-sevenths paid the commutation money.

Controversy Certain Over Vital Military Matters As 86th Congress Opens Its Doors

New O'Sea School Bill, Page 18; Academy Action, Page 28

THE first session of the 86th Congress opened 7 January with the promise of sharp and quick clashes in a number of controversial areas affecting the Armed Forces.

These areas include the Defense budget, research and development, and military manpower.

Senior Democratic leaders in both the House and Senate have voiced strong opposition to any major reductions in military spending. They have disclosed that they will fight to increase, or at least maintain, present military manpower levels.

Supporting the President, top Republicans, on the other hand, will strive to win approval for the White House appropriations requests and for the Administration's proposed reduction in military strength.

Differences also will flare up over the research and development of new missiles and space-age weapons and over the cut-rate legislative package which the Pentagon has drafted under the watchful eye and carefully-plotted fiscal formula of the Budget Bureau.

Questions covering all of these vital subjects will be ready for the first Defense Department witnesses who are

as previously reported in THE JOURNAL. But, either new members must be appointed or the overall membership reduced, and this will take time.

Prolonged Senate debate over a proposed anti-filibuster rule also could delay committee work.

When the committees are ready to launch hearings, however, questions are ready and waiting. Many were held over from the previous Congress and members of both Houses are eager to obtain answers.

How these questions will be phrased cannot be predicted with any assurance, but it is certain that some members of Congress will have questions basically along these lines:

The two ranking Georgia Democrats, Senator Richard B. Russell and Representative Carl Vinson, who head the Armed Services Committees, and Senator Dennis Chavez (D-NM), Chairman of the Senate Military Appropriations Subcommittee, will want to know the exact nature of the proposed manpower cut-back, how such cuts will affect our ability to fight both limited and all-out war, and how our reduced strength combined with that of our allies compares with the strength of the Soviet Union and her satellites. In an attempt to place fiscal considerations in their proper perspective, they also will dig deeply into the Administration's reasons for the cutback.

Senate Majority Leader Lyndon Johnson (D-Tex.), who heads the new Senate Space Committee, and Representative Overton Brooks (D-La), new chairman of the House Space Committee, will seek answers from Secretary of Defense McElroy to a multitude of questions involving our progress in the missile and space field during the past four months. They will want to know what is in prospect for the ICBM and IRBM programs. What decision is shaping up for the Thor-Jupiter controversy? Why the Navy's highly-lauded Regulus was cancelled? How soon the first Polaris submarines will be delivered to the fleet? What steps have been taken to improve the nation's airlift capabilities?

Some weighty questions about the National Guard and Reserve forces also will be awaiting the Pentagon. Will the planned manpower reductions force some active-duty Reservists out of uniform? What plan has the Pentagon developed

to afford better protection to those Reservists who face such RIF's? Why was the 6-month Reserve training program recently curtailed? Are any schemes being propounded for further decimation of the Reserve forces? Why does the Pentagon feel it necessary to urge repeal of the ceilings which Congress placed on the Reserve and National Guard last Summer?

Senator John Stennis (D-Miss.) will launch a battery of queries aimed at Defense Department personnel practices. Why did the Department not put into effect the newly authorized responsibility pay for officers? What steps have the Services taken to reduce the number of colonel/captain billets, as promised last year? If the proposed "White Charger" plan increases retirement costs, should the Armed Services be brought under a contributory retirement system?

Senators Henry Jackson (D-Wash.) and Barry Goldwater (R-Ariz.) will want to know what position the Pentagon plans to take on their proposal to give retired members of the Armed Forces the full benefits of the 1958 Military Pay Act.

Representative James B. Utt (R-Calif.) will seek answers to questions about his bill to authorize full survivor benefits for the families of retired career members of the Armed Forces.

Representative George H. Mahon (D-Tex.), Chairman of the House Military Appropriations Subcommittee, will want to know why, in view of rising costs, more funds have not been asked for the overall Defense budget? Congressman Mahon has already said he does not see "how the tempo of our defense program can be further reduced."

Senator Leverett Saltonstall (R-Mass.) will make inquiries about his proposal to overhaul Defense Department procurement practices. He asked the Department for its views on the plan several months ago but they have not been forthcoming.

The full membership of the Armed Services Committees and Military Appropriations Subcommittees in both Houses also will have other questions to ask about proficiency flying, overseas travel of military families, permanent changes of station, temporary duty travel, family housing, Army jeep procurement, the atomic supercarrier and a host of new legislative proposals which are included in the Pentagon package for the new fiscal year.

Journal Hill Expert Covers 10th Campaign

JOURNAL readers will be able to count on continued coverage of all legislative action affecting all the Armed Forces during the 86th session of Congress.

Few newsmen can bring to this challenging assignment the experience in legislative campaigns of THE JOURNAL's top man at the Capitol, Louis R. Stockstill.



Louis R. Stockstill

A member of THE JOURNAL's editorial staff since 1947, Mr. Stockstill, a veteran of WWII service with the 10th Armored

Division in Europe, has covered action on the Hill for nine years.

The 86th Congress will mark for him a decade of specialization in the complexities of military legislation.

Aside from a storehouse of background knowledge on military legislation, Mr. Stockstill brings to the Capitol action another invaluable asset.

Covering the Capitol means miles of walking to keep tabs on what's happening to scores of individual bills, and what is going on behind the scenes. Mr. Stockstill at 6' 1" has the legpower that is a basic requirement for his assignment.

As the 86th Congress swings into action, you can rely on THE JOURNAL to provide each week—as it has done since 1863—the most authoritative reporting available on all legislation affecting all the Armed Forces.

From preceding page—

prospect of opening up the package in broad daylight. Like a horseshoe, cherry red in the forge, it's too hot to handle with bare hands.

All this incentive pay business seems to be based on who paid for whose education, and how long it took for persons involved to solve the mysteries of their profession. There was a time when the majority of the General Line officers of the services came from the so-called "trade schools" and the majority of the members of what we in the Navy call "Staff Corps" (professional men), obtained most of their education at their own expense before entering the service. At that time incentive pay could have been used as a means of paying back this small group of people for the expense of their education and at the same time entice them to be career officers.

But now there are thousands of officers who received their education at no expense to the Government and their numbers are not concentrated in the so-called professional fields of work. In fact, the greater portion falls into an unrestricted General Line category. Why shouldn't they be "enticed" to stay in the services rather than don civilian clothes and enter the business world at twice their present salary?

During a bull session at the "O" Club recently, the incentive pay subject came up and we were good naturedly chiding a medic in the group while we swilled our mugs of ale. Our good friend insisted that the General Line officers should be satisfied because we

just had a pay raise. He failed to mention that the same pay raise applied to himself. However, doctors spend long hours in the punching and probing and dispensing of the little multi-colored pills that keep Dad fit for duty, Mom fit to fuss and Junior fit to fight, so we have no quarrel with them.

But when we start dividing into many little professional groups, each with the idea that they are of greater value than the other and therefore must receive more pay if their services are to be had, it's high time someone raised the shades and let some light on the scene.

I'm quite sure the men with the beards from the other side of the Iron Curtain won't differentiate between the guy drawing incentive pay and the "mess cook," if they get the chance to blast us. In fact, during World War II I saw an ex-college professor friend of mine lying with a farm boy alongside a hole on Okinawa. They both looked the same to me—deader than hell.

Our military machine is similar to the family auto. It is a vast and complex system of parts, each part with a function and each dependent upon the other. And even the smallest part is important. If you don't believe it, try running said family auto without the distributor rotor, which costs only 65 cents.

So, I would suggest that all this nonsense about whether it's more important to have your tonsils removed, your teeth drilled, your will prepared in legal terms or your soul cleansed, be

tossed in the ash can. Instead of concentrating on how we can dip in "Uncle's" pocket, let's use that same effort to promote unity.

As for the good Chaplain's comment, quote: "The incentive pay is to bring in the best of the professional people"—I only say I have news for you friend, the best are already in. Look around you.

COMMANDER (General Line)
U. S. NAVY

"Newton's College . . ."

■ Re your thumbnail sketch of Brig.

Gen. Henry C. Newton in connection with his new Military Assistance Institute. (THE JOURNAL 13 December 1958.)

As a member of the second class of the Fort Knox officers' orientation course, I can assure you that the complete title of the school was "Newton's College of Practical Tactical Military Knowledge."

ROBERT GLASSMAN
M/SGT.
MAAG, UNITED KINGDOM
NAVY 100, FPO
N. Y.

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CONGRESS WILL BE HIT BY A PROTEST BARRAGE from Service families throughout the world as a result of the Pentagon's decision to revise Station Allowances effective 1 February. As reported in last week's issue of The Journal, some families will receive increased per diem pay, but hundreds will suffer losses—up to \$2,000 per year.

SENSITIVE TO CRITICISM from Defense officials in the past that sometimes it changed the rules for military people in the middle of the game, Congress will hear Service people say that's exactly what the Pentagon has done in the case of the Station Allowances.

THE PENTAGON DID NOTHING FOR SERVICE MORALE by delaying from 4 December, when preliminary instructions were dispatched to the field, until 29 December a press briefing on the plan. So hurried was the effort to start the new system on 1 February that detailed tables showing the global impact of the plan were not available for distribution to the press less than one month before its implementation.

SERVICE FAMILIES HAVE JUST CAUSE to be concerned by the Pentagon's failure to provide any "savings clause" (see editorial Page 10) and officer and NCO wives, not hampered by self-imposed restraints, will waste little time in writing their Congressmen.

AS A CONSEQUENCE, among his many other problems, Secretary of Defense McElroy would be prudent in preparing himself to answer questions on the Station Allowance situation during his forthcoming appearances at the Capitol.

THE ABSENCE OF DISSENT, reported by Deputy Defense Secretary Quarles (Page 1) by any Service on the new "Functions Paper" hardly is surprising. For aside from some vague language from the Army viewpoint (Page 5) on air defense responsibilities, there isn't much in the new document that could create new controversy.

PENTAGON NEWSMEN who attended the lengthy Pentagon briefing on the Reorganization documents were unanimous in concluding that in the final analysis, what was most significant was what was omitted—specifically a definition of roles and missions in the missile and space fields.

THE DEFENSE DEPARTMENT IS WELL AWARE that it cannot avoid tackling the missile and space "functions" indefinitely. The likelihood is that the issue will be joined—and there's certain to be an inter-Service fight—over the matter of who gets operational control of the Zeus anti-missile missile, the Army or Air Force.

THE ARMY WAS DISAPPOINTED, to be sure, when it lost operational responsibility of its Jupiter IRBM to the Air Force. But that disappointment would be a low-caliber phenomenon compared to the shattering impact on the Army of a decision to give Zeus to the Air Force.

PENTAGON LEADERS CALCULATED that it would be best to avoid controversial "roles and missions" problems as much as possible for the present, thereby giving the new JCS organization a better opportunity for harmonious action. Ultimately, of course, the JCS cannot escape its responsibility to provide the Secretary of Defense and the President with specific recommendations on missile and space "roles and missions." This is where the increased authority of the Chairman will be particularly significant, notably his direct control over the work of the Joint Staff.

SERVICE PERSONNEL CHIEFS can expect interrogation by Congressional Committees on the Navy-Marine Corps policy, shunned by the Army and Air Force, of making "payless promotions" to flag and general officer ranks (Page 1). The obvious question will be why, if such a procedure is of benefit to two Services, it should not be followed by the other two, and vice versa.

THE DEEP FREEZE DECLINE in Antarctica has been marked by the designation of a three-stripe Navy officer, Cdr. William A. Lewiston, to command Operation Deep Freeze IV, replacing Capt. Eugene H. Maher, who led Operation Deep Freeze III. Later this year, RAdm. David M. Tyree will succeed RAdm. George Dufek, USN-Ret., as Commander of Deep Freeze Operations.

REAL AND PERSONAL PROPERTY controlled by the Department of Defense was valued at \$145.5 billion at the start of this fiscal year, an increase of \$3.5 billion from the past year. Newly released Pentagon statistics show that the Armed Forces control 32,517,640 acres of land, including 26,796,409 in the United States. The Air Force is the biggest acreage holder—16.6 million, compared with 10.5 million for the Army and 5.2 million for the Navy.

\$10,000 BACK PAY will be due some physicians and dentists who were brought into the Armed Forces under the Doctor's Draft Law but who were not given commissions. The Comptroller General has told the Attorney General that the Government Accounting Office will follow a Court of Claims decision authorizing retroactive officer pay for the enlisted medical officers.

THE NAVY HAS LAUNCHED A BUDGET BARRAGE against the current consumption rates of such high-cost items as olives, mushrooms, shelled nuts, duck, and chocolate drink in its ship and station messes. As is the case with scores of other Service budget items, the Navy has spent more than half its food funds during the first six months of the fiscal year.

THE OFFICE OF THE CNO has warned Fleet and Shore units that "fiscal year 1959 funds are not sufficient to support the uncontrolled feeding of high priced, out-of-season, and/or delicacy-type food items." Budget restrictions demand "better portion control, a reduction in delicacy-type entrees, multiple entree servings, and three and four salad selections," the Navy said.

THE SMALLEST AIR FORCE DEACTIVATION of 1959 undoubtedly will be the closing of the Directorate of Advanced Studies of the Air Force Office of Scientific Research in Pasadena, Calif. The Directorate, established several years ago to manage basic research contracts with West Coast universities, institutes and industry involving space studies, had a total of seven people. Its workload will be divided between AFOSR, commanded by Brig. Gen. B. G. Holzman, and the ARDC Regional Office in Los Angeles.

THE REDSTONE ARSENAL, ALA., POPULATION, which increased 4000 during '58, began this year with a total of 20,000 military and civilian personnel and contractor employees. The Redstone military strength includes 740 officers and 2556 enlisted personnel, excluding the student population at the Ordnance Guided Missile School there.

THE ARMY'S \$54 MILLION CONTRACT to the Martin Company, Orlando, for work on the Pershing missile system (Page 26) comes just one year after the Ordnance Missile Command reported 7 January 1958 DoD approval for work on the selective range, surface-to-surface ballistic missile weapon. Heretofore, the Army awarded missile contracts under the arsenal concept with the Army as prime contractor. The Pershing is different; Martin holds the prime responsibility, working closely with the Army Ballistic Missile Agency at Redstone Arsenal.

THE PERSHING'S PROGRESS will be charted closely in connection with the Army's increased emphasis, as told in Lieutenant General Trudeau's Page 1 article, on reducing the R&D lead-time for new weapons. The Pershing award to the Martin Company provides the Army an opportunity to derive maximum benefits from its arsenal system and from industry. If the joint effort clicks, there will be more such combining of military-industry resources at the R&D level.

A STEREOPHONIC SOUND SYSTEM in the Music Room is one of the many features in the new U. S. Air Force Academy Library, opened officially this week (Page 3). Basic objective of the Library, of course, is the distribution of reading material. During the '57-'58 academic year, the Library circulated more than 36,000 books among 1300 registered borrowers—a per capita use of 27.5 books. This compares with a national campus average of 16.8 books.

ONE OF THE HIGHEST RANKING CLASSES in the history of the Army's Command and General Staff College went into session 7 January at Ft. Leavenworth, Kans. The students are 30 Republic of China Army and Marine Corps officers who will take a special 17-week Allied Course (Taiwan) at the school. The group includes eight lieutenant generals, 18 major generals and four colonels.

SELECTION OF CONGRESSMAN OVERTON BROOKS (D-La) as Chairman of the new House Space Committee is expected to be announced by the House Committee on Ways and Means. Known as "Mr. Reserve" on Capitol Hill because of his long-standing interest in Reserve and National Guard problems, Mr. Brooks will continue to be an effective spokesman in the cause of the Reserve Forces, although presumably he will relinquish his post on the Armed Services Committee where he has been the second-ranking Democrat for many years to take the Space Chairmanship.

THE MANTLE OF HEIR-APPARENT in the Armed Services Committee will fall on the shoulders of Representative Paul J. Kilday (D-Tex), who will move up the ladder to the "Vice Chairman's" position vacated by Mr. Brooks. Congressman Kilday, an expert on military personnel matters, has gained the admiration of Service people for his skilled handling of complex personnel legislation, including major pay revisions.

THE BROOKS RESIGNATION, coupled with the reassignment of Representative William J. Green, jr (D-Pa) to the Ways and Means Committee, will mean that seven junior members of the Armed Services Committee will be elevated two steps on the seniority ladder. Those moving up are Representative Clyde Doyle and George P. Miller, both of California, Charles E. Bennett (Fla), Richard E. Lankford (Md), George Huddleston, jr (Ala), James A. Byrne (Pa), Toby Morris (Okla) and A. Paul Kitchin (NC).

DEPARTMENT OF DEFENSE

The Hon. Dwight D. Eisenhower, Commander in Chief of the Armed Forces
 Military Liaison Officer—Brig. Gen. Andrew J. Goodpaster, USA
 Military Aide—Col. Robert L. Schulz, USA
 Naval Aide—Capt. Evan P. Aurand, USN
 Air Force Aide—Col. Wm. G. Draper, USAF
 Secretary of Defense—Neil H. McElroy
 Deputy Secretary of Defense—Donald A. Quarles
 DIRECTOR, RESEARCH & Engr'g—Herbert F. York
 ASSISTANT SECRETARIES OF DEFENSE
 W. J. McNeil (Comptroller)
 Charles C. Finucane (Manpower, Personnel and Reserve)
 John Nichol Irwin, II (International Security)
 Edward P. McGuire (Supply & Logistics)
 Floyd S. Bryant (Properties & Installations)
 Dr. Frank B. Berry (Health & Medical)
 Murray Snyder (Public Affairs)
 General Counsel—Robert Dechert
 Chairman of the Joint Chiefs of Staff—General Nathan F. Twining, USAF

Army Orders

From page 5—

Cherry, Joseph A, Ft Lewis, to USA Elm Hq UNC/USK, Seoul, Korea.
 Phillips, Harrison M, Wash, DC, to Ft Buckner, Okinawa.

Captain

Clark, Walter K, Cp Wolters, Tex, to Hq US ASA Europe, Frankfurt, Germany.
 Hudson, Robert T, Muskogee, Okla, to US-ATC Inf, Ft Jackson.
 Plumhardt, Howard J, Ft Riley, to USA Inst Gp, Mo, St Louis, w/sta Kemper Mil Academy, Boonville, Mo.

1st Lieutenant

Daniels, Harry V, Jr, Ft Carson, to Germany.
 To Hq US ASA Gp, Yongsan, Korea

From Cp Wolters, Tex:

Givler, Leon J Givler, Lloyd R

ARMOR—

Major

McDonald, Thomas J, Wash, DC, to USAR-CARIB (Panama).

Captain

To Korea

From Ft Knox:

Brown, Thomas L Sheppard, Elmer W

1st Lieutenant

To Germany

Hickman, Jere L, Ft Bragg.
 Bishop, Bobby J, Ft Polk.
 Kelly, Victor B, Cp Irwin, Calif.
 MacDonald, Angus, Ft Carson.

From Ft Meade, Md:

Bartlett, Gerald T Gerety, Walter P
 Bell, Raymond E, Jr Thompson, C C

From Ft Lewis:

Burton, Donald L Springstead, Bertin W
 Harms, Norman D

From Ft Riley:

Beattie, Donald G Messer, Hollis D
 Drummond, Louis A Coffman, Richard L

From Ft Knox:

Weiss, Donald Brown, Edward M

2d Lieutenant

Mead, Dana G, Ft Bragg.

From Ft Meade, Md:

Doneski, Bernard J Little, John A
 Calyer, Peter D McDonald, F W, Jr

From Ft Riley:

Betters, Richard B, Jr McDowell, Richard L
 Hart, Jack S McNeerney, Chas D, 2d
 Horn, Robert C Rutherford, Frank E

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ARTILLERY—

Colonel

Lazar, Aaron M, Ft Sheridan, to USA AD-GRU, Korea, Yongsan.
 Shanahan, William R, Ft MacArthur, to ODCSOPS, Wash, DC.

Lt Colonel

Walker, Robert M, Ft Leavenworth, to US ARADSCH, Ft Bliss.
 Jacobs, Harold J, Ft Sill, to USA Elm Hq Allied Land Forces Southeastern Europe, Izmir, Turkey.
 Lane, Barton G, Monterey, to OUSARMA, Santiago, Chile.

Major

Brogden, Ollie W, Ft Devens, to Hq USATC Inf, Ft Jackson.

—Continued on page 16

Air Defense "Functions" Are Ambiguous

From page 5—

and until there is such a determination one cannot say who has the mission of employing it in the field."

As to the doctrine for utilization of Nike Zeus, Mr. Quarles was asked whether the Army would have that responsibility.

He said:

"No, my answer to that is that undoubtedly as the developer of the system

they will be asked to make recommendations about doctrine and use, but I am making it clear that there has been no assignment to them to develop doctrine for this system and that as part of the air defense system the only doctrine development assignment is at the present time to the Air Force."

There's no doubt that Nike Zeus presents an Olympian hurdle to the new Defense Organization, armed with its ambiguous "Functions Paper."



Something to see...

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Autonetics' new Pilot Display Projector is another milestone in the elimination of blind-flying problems. It projects onto a special transparent screen, in the pilot's normal forward view, a bright replica of any instrument display, or combination of displays, that can be put on a cathode ray tube. The pilot is not distracted, as with other systems, by having to look down repeatedly at an indicator. And—since the display is transparent—his normal view through the windshield is unobstructed. Autonetics' Pilot Display Projector was originally developed for the Army-Navy Helicopter Instrumentation Program, but is adaptable to fixed-wing aircraft.

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NEW MISSILE CENTER CG—Maj. Gen. Thomas E. deShazo, left, departing Commanding General of the Army's Artillery and Missile Center at Ft. Sill, Okla., presents a membership certificate in the Order of St. Barbara, Patron Saint of Artilleryman, to Maj. Gen. Verdl B. Barnes, who will take command at Sill next month. General Barnes has been on duty with the Joint Staff of the Joint Chiefs of Staff. General deShazo will join the Third Army at Ft. MePherson, Ga.

B/G Mundell Moves To Two-Star Post

General E. W. Rawlings, Commander, Air Materiel Command, has announced the appointment of Brig. Gen. Lewis L. Mundell as Commander, San Antonio Air Materiel Area.

General Mundell, who has been Deputy Commander at San Antonio AMA since 1 September 1958, will fill the position left vacant by the retirement of Maj. Gen. Thetus C. Odom.

Announcement also was made of the appointment of Col. A. A. Denton, interim Commander of Dayton Air Force Depot since 4 August 1958, as Deputy Commander of San Antonio Air Materiel Area, effective 1 February.

Missile Center Special Projects Chief Honored

The Legion of Merit has been awarded to Lt. Col. Liston T. Taylor of Patrick AFB, Fla., by Maj. Gen. Donald N. Yates, Commander of the Air Force Missile Test Center.

Colonel Taylor was cited for distinguished service as Assistant to the Chief, Equipment and Materials Division, ARDC Headquarters, from August 1955 to August 1958.

Assigned to Patrick last August, he is Chief of the Special Projects Office with the Air Force Missile Test Center.

Colonel Taylor, his wife, the former Edith Tinsley of Louisville, Ky., and three children, live at 80 Camelia Ave., Eau Gallie, Fla.

B/G Tacon Commands "Hot" Base At Georgia

Brig. Gen. Avelin Tacon, Jr., who commanded TAC's Formosa Composite Air Strike Force, has assumed command of George AFB, Calif., a Twelfth Air Force base under Maj. Gen. Chester E. McCarty.

General Tacon, former commander of Foster AFB, Tex., another Twelfth Air Force base, was en route to California to take over George AFB when he was stopped by highway patrolmen and informed that secret orders were deploying him overseas immediately.

George AFB is TAC's "hottest unit," with a wing of the new F-104C Starfighters, a wing of F-100 Super Sabres, and a wing of Air Defense Command F-102 Delta Daggers.

Col. Schroder Named Special Weapons Asst.

Col. John W. Schroder, Chief of the National Industrial Operations Division, Ordnance Ammunition Command, Joliet, Ill., has been shifted to the Army Ordnance Special Weapons-Ammunition Command, Dover, N. J., as Assistant for Ammunition to Maj. Gen. Robert G. Butler, former Commander of the Ordnance Ammunition Command.

Colonel Schroder's duties will span the entire Army ammunition field, including research and development, production, storage and issue.

Nautilus Navigator Wins Jr. Chamber Honor; AF Colonel Is T.V. "Man Of The Year"

Lt. Shepherd M. Jenks, USN, navigator of the nuclear submarine Nautilus on its history-making Polar voyage, has been named one of the nation's Ten Outstanding Men of 1958 by the U. S. Junior Chamber of Commerce.

With the other Outstanding Young Men—all under 36—Lieutenant Jenks, 32, USNA '49, will be presented with the Chamber's silver "Jayson" 17 January at Fort Lauderdale, Fla.

Also named to the outstanding list was Dr. James T. Grace, Jr., a former Air Force flight surgeon now engaged in Cancer Research.

Lieutenant Jenks resides with his wife, Barbara, at Gales Ferry, Conn.

Col. Donald E. Hillman, 92d Bombardment Wing Commander, Fairchild AFB, Wash., was chosen "Man Of The Year" for the Greater Spokane area by KREM-TV for Fairchild's support of community projects.

How Lockheed helps conserve defense dollars:

The missile with 9 lives

The U.S. Army's new Q-5 Kingfisher was designed by Lockheed's Missile Systems Division to provide our mighty arsenal of ground-to-air missiles with a realistic test of marksmanship—against high-altitude targets moving at supersonic speeds over 1500 miles-per-hour.

The Kingfisher is 38-feet long, 20-inches in diameter, has a 10-foot wingspan and weighs more than 7600 pounds. As it flashes across the skies it electronically simulates any desired size and type of "enemy" plane or air-breathing missile.

The Kingfisher's electronic Firing Error Indicator instantly and accurately tells ground controllers whether missiles fired at it are "hits" or "misses"—and automatically evaluates each missile's angle-of-attack, miss-distance, and other highly important technical data.

Undamaged by "hits" scored on its electronic image, the Q-5 Kingfisher is parachute recovered after each flight.

This Lockheed-developed "missile with 9 lives" will enable the U.S. Army to achieve hitherto impossible proficiency in missile marksmanship against supersonic targets—at a saving to taxpayers of approximately half a million dollars on each recovery flight.

Q-5 is dropped by plane at 35,000 feet (A) in diagram). Then its twin rockets ignite, propel it to speeds required to operate its ramjet engine.

Q-5 is detected as "enemy" by ground radar (B), and its speed, altitude, and course are fed into fire-control computer of Nike battery.

Missiles fired at Q-5 are like used in wartime—but lack explosive warheads. Nike missile scores "hit" on Q-5's electronic im-



Col. Beyer Heads AMC F-108 Project; Drones Post To Lt. Col. A. D. Hoover

COL. Johnson Beyer, former Commander of the 3977th Support Wing of SAC's 16th Air Force in Madrid, has been named by Brig. Gen. Beverly H. Warren, Commander, to be Chief of the F-108 Weapon System Project Office in the Air Materiel Command's Aeronautical Systems Center at Wright-Patterson AFB, Ohio.

Lt. Col. Alton D. Hoover, former Chief of the Tactical Missiles WSPO, was designated to head the Drones Project Office.

It will be Colonel Beyer's responsibility to direct the Air Force integration efforts of the new North American Aviation 2,000 mph long-range interceptor, including procurement and production of the aircraft and related support equipment, as well as monitorship of supply and maintenance requirements.

Colonel Hoover will supervise Air Force logistics efforts on four pilotless target vehicles: the Q-2, Q-4, Q-19 and X-10.

10 Jan. 1959 (Vol. 96, P. 559)

Army Navy Air Force Journal 15

Close Harmony Seen In All-Service Roster Of General Quesada's Aviation Agency

Assurances of close cooperation between the newly-established Federal Aviation Agency and the Armed Services have been found in the assignment

MISSILE STUDENT RISE

The Ordnance Guided Missile School at Redstone Arsenal, Ala., which graduated 5000 students last year, expects an output of 7200 this year.

of 65 officers from all Services to the aviation group.

By law, the Agency has the authority and responsibility to control all air traffic in the United States. To do this it will not only regulate the use of air lanes, but will also develop procedures, techniques and equipment to fill both military and civilian aviation needs.

Even before the Agency formally began operations 1 January, it had requested and received from the Services their requirements for air navigation and air traffic control. Research and development projects are now under way to fulfill these requirements.

A joint civilian-military venture, independent of Defense Department control, the agency now has on its staff 43 Air Force officers, 15 Navy, four Army and two from the Marine Corps. The Coast Guard has one officer assigned, Cdr. James A. Palmer. Additional military appointments are now being processed.

FAA is headed by Lt. Gen. Elwood R. Quesada, who resigned his retired Air Force commission in order to accept the civilian appointment as Agency Administrator.

In the following list of officers assigned to the agency, those whose names are followed by an asterisk have been newly appointed. Those without asterisks were transferred from the former Airways Modernization Board.

NAVY

Commander

Lallberte, William Twitchell, N H
Muller, Walter E *Bancroft, B A
Thudium, Ralph M *Fox, Frederick M
Rhodes, Raleigh E

Lieutenant Commander

Taylor, Warren Savage, Homer D
Hinkleman, John W Hoyt, Herbert D
Lemert, Russell C *Crider, Kenneth M

Lieutenant

Daniel, Dorsey W

Ensign

Coe, Walter R

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Colonel

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*Sanders, Norton W *Williams, H S, Jr
*Thyng, Harrison R Cowart, William S, Jr
*Westbrook, Sam W McCabe, Jerome J

Lieutenant Colonel

*Carhart, Thomas N Fisher, Carl
*Duff, Elmer H Aszman, Burton H
*Hyder, Ralph Young, Kenneth A
*Kenne, John H Giannatsis, James
*Kent, Eugene Carmody, Richard J
*McGilvray, Lloyd R Carrigan, Thomas M
*Peck, Fred R Query, Jack D
*Stone, Steven A, Jr Albellara, Thomas
*Williams, Charles H Griffith, Richard S

Major

*Sadek, Louis C Vohs, Lester J
*Scott, George W Webb, Richard L
*West, Lyle W Sheldon, Wilford H
Fish, Jules V Wright, Lawrence
Humphrey, Ivan A Knight, Harry R
Bogle, Woodrow W Edwards, Dewey F
Tiddy, Eugene

Captain

Holt, Emmitt Hall, Harold B
Fiederer, Joseph J Schaub, Lester J

MARINE CORPS

Cram, Col Jack R Beasley, Lt Col C B

ARMY

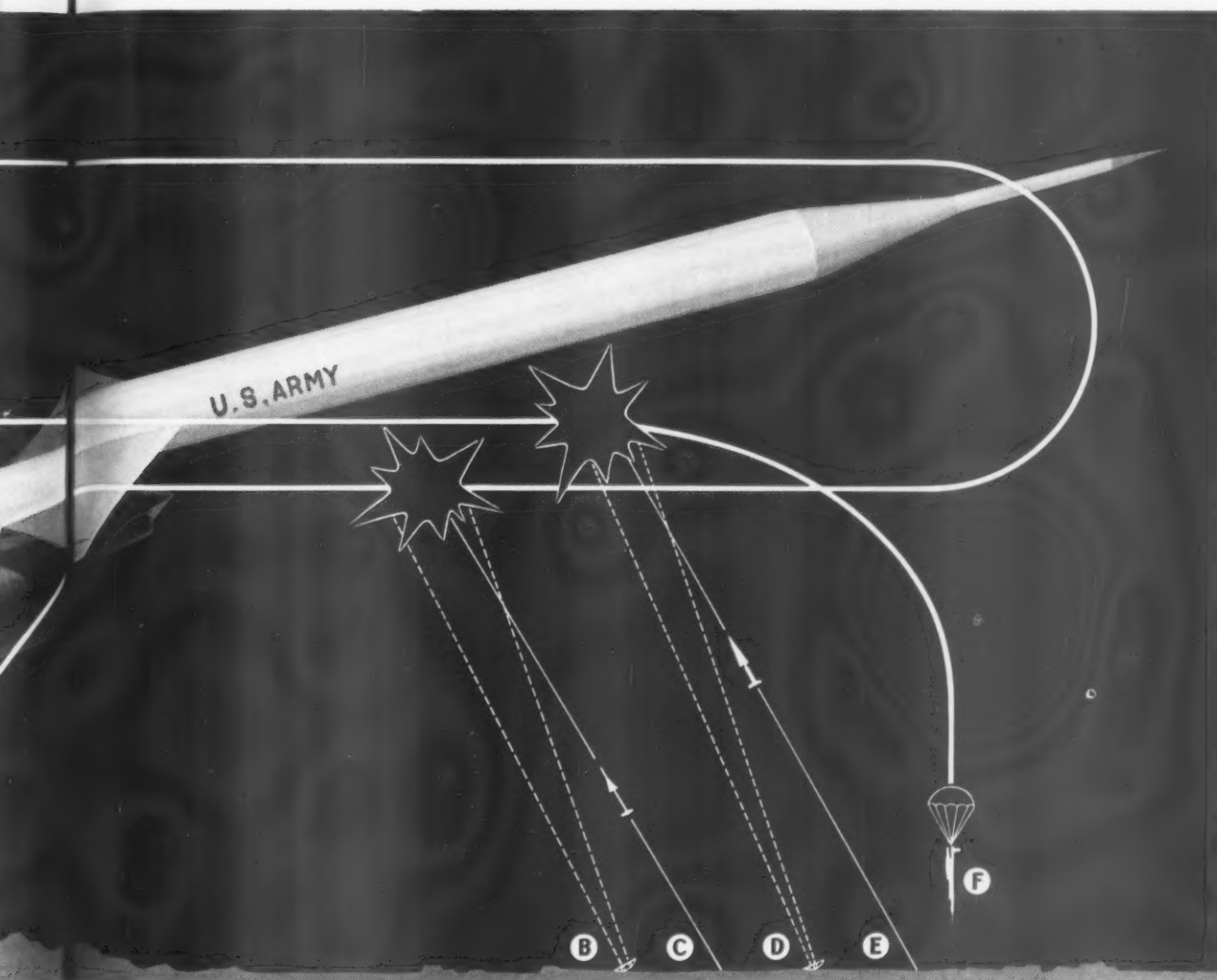
Elliott, Maj John W Tillery, Maj George G
Langford, Maj E C Kersey, Capt Irwin J

Maj. Landseadel To Lisbon

Maj. Robert J. Landseadel, jr., Arty, USA, who has been attending the Naval Intelligence School in Washington, D. C., is under orders for assignment to the Army Element of the Portugal MAAG. He leaves this month for Lisbon.



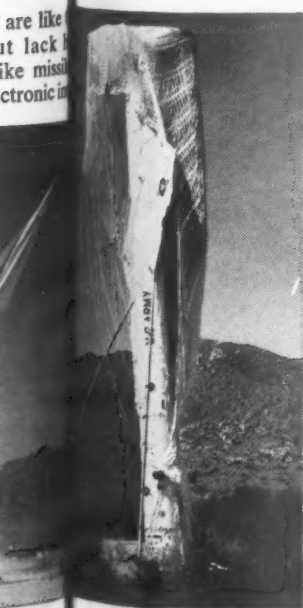
Lt. Gen. Quesada



Above: Entering oval flight pattern, Q-5 attains speeds over 1500 mph. Second ground radar (D) and missile-launching battery (E) practice their marksmanship until Q-5 Kingfisher's fuel supply is exhausted.

Left: Landing on its nose-spike in a remote, uninhabited area, after floating down by parachute (F), the Q-5 is recovered by U.S. Army ground crews—to be refueled and refitted for future flights.

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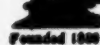
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Army Orders

From page 13—

Captain

Blackley, Lawrence R, Ft Bliss, to 4th Msl Bn 65th Arty, Thule, Greenland.
Bunch, John B (AI), Ft Holabird, to Korea.
Dykes, Walter W. Beaumont, Tex, to USAR-CARIB (Panama).

To Germany

Bush, Louis S, Ft Bliss.
Umptierrevazquez, Wilfredo, Ft Knox.
Weeks, Charles R, Jr, Ft Sill.

1st Lieutenant

Williams, Norval K, Jr, Ft Rucker, to USA ADGRU, Korea, Yongsan.

From Ft Sill to Station Indicated

Bradby, Harold N, Jr, 1st FA Bn 20th Arty, Ft Lewis.
Johnson, James R L, CC A 1st Armd Div, Ft Polk.
Shaler, Dexter H, 82d Admin Co, Ft Bragg.
Winston, Nell C, 2d How Bn, 35th How Bn, 35th Arty, Ft Lewis.
Martelini, Carmen R, Hq and Hq Det Law-son Army Affd Comd, Ft Benning.

To 2d How Bn 4th Arty, Ft Carson

From Ft Sill:
Garrison, Melvyn V Wilson, Walter C, Jr
To 1st Bat Gp 10th Inf, Ft Ord

From Ft Sill:
Bowdoin, Wm R, Jr Morgan, Abbott R

To Korea

Barrett, Gilbert J, Ft Sill.
Sullivan, William F, Ft Bragg.

CORPS OF ENGINEERS—

Maj Gen E C Itschner, C of E

Lt Colonel

Linn, Herschel E, Ft Knox, to 937th Engr Gp, Ft Campbell.

Major

Bonaventura, Charles M, Wash, DC, to Army Elm USA Elm Baghdad Pact, Ankara, Turkey.

1st Lieutenant

To Korea

Bezold, Donnie D, Ft Jackson.
Blahna, Gary L, Ft Knox.
Walter, Donald K, Ft Benning.

2d Lieutenant

From Ft Belvoir to Station Indicated

Wieselmann, Egon A, 84th Engr Bn, Ft Ord.
Conan, Byron M, 59th Engr Co, Ft Ord.
Clesko, John F, USARCARIB (Panama).
McLean, William N, Korea.
Hebert, Emanuel A, Guam.

SIGNAL CORPS—

Lt Gen James D O'Connell, C Sig O

Major

Kelly, Raymond E, Ft Gordon, to USA Sig Gar, Ft Monmouth.

Captain

Hochstadt, Jack, Sacramento, Calif, to Korea.
McGregor, Ernest M, Jr (AS), Ft Jackson, to Hq 508th US ASA Gp, Yongsan, Korea.
Winn, Richard J, 3d, Ft Bragg, to USA AD-GRU Korea, Yongsan.
Brauner, Frederick C, Ft Ord, to Korea.

1st Lieutenant

Mazzucco, Robert R (AS), Ft Carson, to Hq USASA Europe, Frankfurt, Germany.
Daly, Edward F, Jr, Ft Meade, to Korea.

2d Lieutenant

Sayles, Robert L, Ft Monmouth, to USA Sig Msl Support Agcy, White Sands Msl Range, N Mex.

Hawthorne, John H, Ft Sill, to Hq US ASA Europe, Frankfurt, Germany.
Fujito, Roland T, Ft Monmouth, to USA Elct Pr Gr, Ft Huachuca.

To USA Sig Tng Cn, Ft Gordon

From Ft Monmouth:
Bird, Ronald E Johnson, Joseph A, Jr
Cuthbert, Allen S, Jr Marchl, Ernest R, Jr
Freeman, Donald H Skerrett, Robert W

ADJUTANT GENERAL'S CORPS—

Maj Gen Robert V Lee, TAG

Major

Reichert, David L, Ft Jackson, to Korea.
Pultz, Robert J, Granite City, Ill, to Hq US-ATC Armor, Ft Knox.

Captain

Farrell, James M, Wash, DC, to USA Elm MAAG, Italy, Rome.
Curtis, Melvin L, Monterey, Calif, to USA Mls to Colombia, Bogota.
Skinner, Theodore E E, Ft Hood, to Germany.

1st Lieutenant

Kowalski, Leon A, Ft Benning, to USARAL.
Rumbough, David H, Ft Benning, to Germany.

QUARTERMASTER CORPS—

Maj Gen Andrew T McNamara, QMG

Colonel

Franklin, John M, Philadelphia, to Korea.
Ritchie, Charles A, Ft Meade, to USA Inf Cen, Ft Benning.

Lt Colonel

Gruber, Ralph A, Chicago, to USA A n Cen, Ft Rucker.

Major

Rogers, Glenn W, Ft Lee, to USARAL.
Berry, Robert E, Ft Lee, to USA ADGRU Korea, Yongsan.
Phillips, John R (AI), Huntsville, Ala, to Heidelberg, Germany.

Captain

Brave, James C, Ft Carson, to USA ADGRU Korea, Yongsan.

To Korea

Tambe, Joseph T, Columbus, O.

From Ft Lee:
Balsor, Joseph F Price, Robert L

1st Lieutenant

Babbitt, Paul E, Ft Polk, to Hq US ASA Alaska, Ft Richardson.
Eastwood, Clifford A, Jr, Ft Lee, to USAR-CARIB (Panama).
Pierce, Isalah B, Ft Lee, to France.
Abrams, Walter G, Ft Lee, to Germany.

FINANCE CORPS—

Maj Gen Paul A Mayo, C of F

2d Lieutenant

Anderson, Claude D, Ft Benjamin Harrison, to 1st US ASA Fld Sta, Vint Hill Farms Sta, Warrenton, Va.

MEDICAL SERVICES—

Maj Gen Silas B Hays, Chief

Captain

Christie, John N, Jr, Denver, to USA Elm US Soldiers Home, Wash, DC.

Dental Corps—

Maj Gen James M Epperly, Chief

Captain

Scott, Walter J, Philadelphia, to Admin Det USA Task Gp 7.2, JTF 7, Eniwetok Atoll, Marshall Is.

Medical Service Corps—

Col Bernard Aabel, Chief

Major

Blue, Jack T, San Francisco, to Germany.

Captain

Seltz, Leonard F, Ft Rucker, to USA Arctic Test Bd, USCONARC, Ft Greely, Alaska.

To Germany

Gottlieb, Abraham M, Aberdeen Pr Gr.
Hoffmann, Julian P, Ft Belvoir.
Vallejo, Roy J, Ft Polk.

1st Lieutenant

Cabell, Ben M, Ft Sam Houston, to France.

To Germany

Wink, Robert J, Ft Dix.
Smith, Miller, Ft Belvoir.

2d Lieutenant

From Ft Sam Houston to Station Indicated
Baez, Reinaldo A, 2d How Bn 13th Arty, Ft Sill.

Baum, Henry L, Patterson AH, Ft Monmouth.
Bingham, Frank M, USA Gar, Ft Benning.
Boulet, James J, 3d Obsn Bn 25th Arty, Ft Sill.
McDonald, Jack P, USA Gar, Ft Meade, Md.
Ruff, Charles D, USA Environmental Health Lab, Army Chemical Cn, Md.

Sites, William G, WRAIR WRAMC, Wash, DC.
Taylor, Edward J, WRAMC, Wash, DC.

Veterinary Corps—

Brig Gen Elmer W Young, Chief

Captain

Anderson, William L, Ft Sam Houston, to USASSETAF.

Army Nurse Corps—

Col Inez Haynes, Chief

2d Lieutenant

King, Shirley R, Wash, DC, to Germany.

ORDNANCE CORPS—

Maj Gen John H Hinrichs, C of Ord

Lt Colonel

Hawkes, Kenneth, Edwards AFB, Calif, to USA Ord Test Actv Fld, Aberdeen Pr Gr, w/sta Yuma Test Sta, Yuma, Ariz.

Major

McAllister, Richard F, Aberdeen Pr Gr, to OCOFORD, USA, Wash, DC.
Olson, Harry H, Indianhead, Md, to Stu Det Co C USALS, Monterey.

Captain

Di Grazia, John E, Monterey, Calif, to USAR-EUR w/sta Turkey.

1st Lieutenant

Hoagland, David O, Spokane, Wash, to Korea.

2d Lieutenant

McCormick, John E, Aberdeen Pr Gr, to USA Ord Ammo Comd, Joliet, Ill.

TRANSPORTATION CORPS—

Maj Gen Frank S Besson, Jr, C of T

Major

Russell, Lester F, Ft Lewis, to Det No 9 USA ROTC Instr Gp XI USA Corps, Lincoln Unit, Jefferson City, Mo.

Russell, Lester F, Ft Lewis, to Hawaii.

1st Lieutenant

Gordon, Frank H, Ft Bragg, to USA ADGRU Korea, Yongsan.

To Korea

Antsted Genoa W, Ft Eustis.
Kellar, Fred, Ft Riley.

MILITARY POLICE CORPS—

Maj Gen Haydon L Boatner, PMG
Lt Colonel

Luski, Walter A, Ft Gordon, to USA Sig Gar, Ft Monmouth.

WOMEN'S ARMY CORPS—

Col Mary L Milligan, Director

1st Lieutenant

Archambault, Claire A, Ft Leavenworth, to WAC Det USA Gar, Army Cml Cen.

CHIEF WARRANT OFFICERS—

To 24th Arty Gp, Swarthmore, Pa

From Ft Bliss:

Walter, W-3 Frederick J.
Beeton, W-2 Frank P, jr.

From Ft Bliss to Station Indicated

Woodfield, W-2 James E, 47th Arty Brig, Ft MacArthur.

Ochs, W-2 Richard D, 2d Arty Gp, Ft Niagara.

Gentle, W-4 James E, 35th Arty Brig, Ft Meade.

To Korea

Allison, W-2 Charles R, Ft Story.
Sprague, W-4 Roland L, Ft Eustis.
Callahan, W-2 Lorenzo M, Ft Belvoir.
Dixon, W-2 Alton W, Cp Drum.

WARRANT OFFICERS—

To Korea

Holtzclaw, W-1 Bobby L, 153d Trans Det (CHFM) Ft Belvoir, Va.

Manuel, W-1 Jerry L, 3d Trans Co (Lt Hcptr) Ft Belvoir, Va.

Miller, W-1 Calvin H, USAAVNS Regt (3462) Ft Rucker, Ala.

Noland, W-1 Jerry L, USAAVNS Regt (3462) Ft Rucker, Ala.

RETIRED—

Colonel

Ireland, Thomas R, AGC.

Lt Colonel

Bryant, Thomas D, AUS-Ret, pd (100%) fr temp disab ret list to perm disab ret.

Captain

Batt, Louis, AUS-Ret, pd (40%) fr temp disab ret list to perm disab ret.

1st Lieutenant

LeMoine, Herbert G, AUS-Ret, pd (30%) fr temp disab ret list to perm disab ret.

Retired Upon Application

Colonel

Rodman, Frazer W, IG (Ord C).

Houser, Houston P, jr, GS (Inf).

Yowell, Benjamin W, Inf.

Captain

O'Connor, Leo J, Armor, as Maj.

Rothe, Vincent L, Arty, as Maj.

Odenbrett, Joseph J, Inf, as Maj.

Chief Warrant Officers

Raskowski, W-3 Raymond J, MSC.

Lambrecht, W-3 Conrad J, AGC, as W-4.

Fleming, W-3 Daniel O, AGC.

Porter, W-3 Thomas R, AGC.

Bruce, W-2 James W, QMC.

TO TEMPORARY DISABILITY RET LIST—

Ekman, Col Kenneth M, pd (100%), MII records corrected.

Ott, Col Charles H, jr, Arty (10%).

McKee, Col Basye C, TC (10%).

Perkowski, Maj William, Inf, pd (60%).

Ayers, Edith A, WAC (70%).

Pate, 1st Lt James F, jr, TC (70%).

Studebaker, W-3 Dewey R, Ord C (40%).

RESIGNED—

Hughes, Maj Francis H, jr, MC.

Sleppy, 1st Lt Alan E, CE.

Bradshaw, 1st Lt Con L, Ord C.

PROMOTED IN RA—

To Major

W/DR as indicated:

Wigger, James R, MSC, 29 Dec '58.

W/DR 23 Dec '58:

Pittenger, Edwin C, jr, CmlC.

Nicol, Robert L, QMC.

Bakewell, Arthur L, Armor.

Pierce, John B, jr, Ord C.

W/DR 24 Dec '58:

Ford, Clifford H, Inf.

Senechal, Jack F, Inf.

Oszewski, Walter J, Ord C.

Lindahl, William C, Inf.

Adams, Claude M, Armor.

Grimland, Neal G, Inf.

Fresley, Lemuel I, TC.

Shelton, T J, Sig C.

To Captain

W/DR as indicated:

Garner, Kermit C, TC, 23 Dec '58.

Sweet, Melvin H, Ord C, 24 Dec '58.
Crosby, John W, jr, Inf, 29 Dec '58.
Wharton, Lonnie V, Arty, 30 Dec '58.
Nay, Leston B, jr, MC, 23 Mar '56.

To 1st Lieutenant

W/DR as indicated:

Hutter, James L, Armor, 24 Dec '58.

Fitzgerald, Thomas E, Arty, 28 Dec '58.

Chase, Charles R, Arty, 29 Dec '58.

Shanahan, Norman K, Ord C, 9 Oct '57.

Moore, William A, Cml C, 17 Sep '58.

Hooker, Cloyd T, Inf, 15 Oct '58.

Eddy, Burton A, Inf, 10 Nov '58.

W/DR 25 Dec '58:

Johnson, William V, Armor.

Dubois, Ronald W, Arty.

W/DR 26 Dec '58:

Libassi, Jerome J, Arty.

Schull, Dunell Y, CE.

—Continued on page 21

Army Orders 116 "Raven" Copters

The US Army has initiated an order to the Hiller Aircraft Corporation of Palo Alto, Calif., for 116 three-place observation class H-23D "Raven" helicopters to cost approximately \$6 million. This includes the cost of additional spare parts, design data, and other items which will be delivered with the helicopters.

The 116 ships are for calendar year 1960 production, President Stanley Hiller, jr, stated. He said the Army order will boost Hiller's 1960 military production rate slightly above that ordered for 1959 by a previous Army contract awarded last June for 108 of the H-23D helicopters. The 1959 military production rate will also be an increase over 1958.

The H-23D "Raven" is a 250 horsepower multi-mission helicopter which numbers among its duties the primary training of Army helicopter pilots, plus observation, reconnaissance, evacuation, and others.

CHALKIN' UP THE HALF MILLIONTH USAA POLICY IN FORCE



Thirty-six years ago, USAA was organized as a non-profit insurance association to serve officers of the U.S. Armed Forces.

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Charles E. Cheever
Colonel, USA—Retired
President



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☐ Retired

☐ Widow of eligible officer

SERVICE FAMILY NOTES

Family Editor
Louise B. McGiffert

Associate Family Editor
Bertie Johnson



SCHOLARSHIP. Mrs. Carl Spaatz (left), wife of General Spaatz, USAF-Ret., is Chairman of the Drama Scholarship Committee of the Washington Chapter of the National Society of Arts and Letters, which will award a scholarship in Drama in March to a student between 18 and 30 years old, living in a 50-mile radius of metropolitan Washington, in need of financial help toward pursuing dramatic studies. Information concerning the award may be obtained by writing to the Drama Scholarship Committee, 1818 Jefferson Pl., N. W., Washington 6, D. C. Seen here with Mrs. Spaatz at the Folger Library, before a miniature of an Elizabethan theater, are (l to r) Mrs. Blake Clark and Mrs. Robert Guggenheim.

Ft. Bragg Wives Hear Mrs. Roosevelt's Report On Soviet; Busy Start For Clubs

THE 1959 program of activities among Army, Navy, Air Force, Marine Corps, and Coast Guard wives clubs is off to a fast start, highlighted by the 6 January talk on the Soviet Union by Mrs. Eleanor Roosevelt to the Ft. Bragg, N. C., Women's Club, whose President is Mrs. William H. King. Program Chairman for the visit of the former First Lady was Mrs. Arthur L. Hessin.

The Air Force Officers' Wives' Club of Washington, D. C. met for luncheon 8 January at the Army Navy Country Club, with Mr. Paul Hume, music editor for the *Washington Post* and *Times Herald*, as guest speaker.

The Chaplains Wives' Club of the Greater Washington Area held its first luncheon meeting of 1959 on 6 January, at the Water Gate Inn. Hostesses were Mesdames H. Grady Gatlin, George F. Rixey and Harriell S. Dyer.



CLUBROOM FOR FT. KNOX WOMEN. Maj. Gen. John L. Ryan, jr., commanding general, US Army Armor Center, Ft. Knox, Ky., cuts the ribbon opening the new women's clubroom. From left are Mrs. George C. Benjamin, vice-president of the Ft. Knox Women's Club; Mrs. John L. Ryan, jr., honorary president; Mrs. W. Paul Johnson, honorary vice-president, and Mrs. Tracy B. Harrington, president. The clubroom is used for special interest group classes, there is a lounge for special committee meetings and an office for the secretary-treasurer of the club.

AF General's Wife Addresses Army Group

The Army Finance Officers' Wives Club will meet Tuesday, 27 January, for a morning of bridge and canasta, followed by luncheon at the Army-Navy Country Club at noon.

Mrs. Charles P. Cabell, wife of General Cabell, USAF, will be guest speaker. Mrs. Cabell will give a resumé of the functions of the Soldiers', Sailors', Marines' and Airmen's Club.

Mrs. Werner L. Dickinson, chairman of arrangements, will be assisted by Mesdames O. D. Boorum, Frank C. Oberhausen, and Anthony R. Kozel.

The Quartermaster Women's Club will have an informal "Coffee" at the Army-Navy Country Club, Wednesday, 14 January at 10:30 a.m.

Mrs. Woodrow W. Vaughan, Program Chairman, reports that the Army Chorus, under direction of Capt. Samuel Loboda, will entertain.

Hostesses will be the ladies of the Comptroller Section of the Office of the Quartermaster General, with Mrs. Wilbur M. Skidmore as Chairman, Mrs. Kurt L. Walitschek, will assist.

House Group Revises O'Sea Teacher Bill; Seek Better Schools For Service Youngsters

A REVISED version of the Pentagon-sponsored plan to improve the status of teachers in overseas schools for children of military personnel has been prepared by the House Post Office and Civil Service Committee.

The new bill is a substitute for the Defense Department draft which failed to clear Congress last session.

As Congress convened, Defense authorities had not yet given formal approval to the revised legislation. Instead, the Pentagon planned to resubmit their former proposal as part of the 1959 legislative program.

The substitute bill is expected to be introduced early by House Post Office and Civil Service Committee Chairman Representative Tom Murray (D-Tenn.).

Hearings on the Pentagon bill and the revised committee draft probably will not be held before March.

Changes made by the Committee in the Defense Department proposal aim primarily at clarifying the language of the plan and further settling the status of teachers under the dual compensation laws.

Basic principle of both bills will be to provide wage, leave and retirement benefits for the overseas teachers similar to those in effect for the District of Columbia schools. The bills would allow payment of the teachers on the basis of the regular 10-month school year, and provide extra pay for summer school.

In addition, the bills would make it possible to give teachers a quarters allowance or storage of their household effects for vacation periods when school is not in session.

Pay scales, presumably with special allowances for teachers with advanced degrees, would be determined by the Secretary of Defense.

At the present time, overseas teachers are hired as regular 12-month Civil Service employees, but can be paid only for those periods when school is actually in session or when other work can be found for them around the military installation. They have no assurance of employment or pay during the summer vacation months.

The Pentagon's version of the plan was passed by the Senate during the last session of Congress, but failed to be reported from a House Post Office and Civil Service Subcommittee, under chairmanship of Representative Lindley Beckworth (D-Tex.).

Service Weddings and Engagements

THE Assistant Commandant of the U. S. Coast Guard, RAdm. James Albert Hirshfield, and Mrs. Hirshfield, of Chevy Chase, Md., have announced the engagement of their daughter, Katherine Prentiss, to Lt. Thomas McCarthy Wallace, USN, son of Capt. and Mrs. Thomas Garrow Wallace, USN, of Portland, Oregon, and presently stationed in Chicago.



Miss Hirshfield

Miss Hirshfield attended Bethesda-Chevy Chase High School and was graduated from Hollins College in 1957. Her fiancé is a graduate of St. John's College High School and of Harvard College in 1953, where he was a member of Hasty Pudding and The Speakers' Club. Lieutenant Wallace is attached to the U.S.S. Kleinsmith at Norfolk, Va.

A June wedding is planned.

STAIR-MORGAN—Maj. Gen. (USAF-Ret.) and Mrs. William M. Morgan of 201 Wiltshire, San Antonio, Tex., announce the marriage of their daughter, Michele, to Mr. Alva Taylor Stair, jr., son of Mr. and Mrs. Stair of Walters, Okla., 31 December at Christ Episcopal Church, San Antonio.



Mrs. Stair

Mrs. Stair, a graduate of Pine Manor Junior College, attended Boston University, where she was pledged to the Phi Beta Phi sorority. Her bridegroom, who has a PhD. degree in Physics, is a member of the Delta Tau Delta fraternity and was elected to Phi Beta Kappa. He is now associated with the Geophysics Directorate at the Cambridge Air Force

Research Center, Hanscom Field, Bedford, Mass.

The couple will make their home at 239 East St., Lexington, Mass.

CHAMBERS-DARCEY—Mr. and Mrs. Hugh J. Darcey of Los Angeles, Calif., announce the engagement of their daughter, Mary Jo, to 1st Lt. Dwight L. Chambers, USMCR, of the Marine Corps Air Facility, Santa Ana, Calif.

Both Miss Darcey and her fiancé are graduates of the University of Southern California, Los Angeles.

The wedding is planned for 6 March at the Santa Ana Post Chapel.

WILSON-CALLOWAY—Miss Elnora Calloway, daughter of Mr. and Mrs. Henry Dolph Calloway of Newland, N. C., became the bride of Mr. William John Wilson, 3d, son of Lt. Colonel and Mrs. Wilson, Jr., of Silver Spring, Md., at the Baptist Church, Newland on 28 December.

The double ring ceremony was performed by the Reverend William Abel.

The bride was given in marriage by her father and had as her honor attendants Mrs. Richard L. Hunter of Plainfield, N. J., and Mrs. Harold B. Ligon of Asheville, N. C. Her bridesmaids were Misses Billie Jo Stout, Lynn Cheek and Jean Baird, with Miss Cheryl Buchanan as junior bridesmaid, little Miss Donna Gragg as flower girl and Master Michael Lecka as ring bearer. Colonel Wilson served as his son's best man and ushering were Messrs. Buddy and Edward Calloway, brothers of the bride, Robert Wilson, brother of the bridegroom and Boyle Lutz.

The bride, who is a graduate of the Woman's College of the University of North Carolina, is a teacher at the Park Hills Elementary School in Spartanburg, S. C. Mr. Wilson, a graduate of the University of North Carolina, is a manager-trainee with the J. C. Penney Company, Spartanburg, where he and his bride will be at home at 709 So. Converse St.



Photo by R. Burgess
Mrs. Wilson

BOLING-HARVEY—Col. (USAF-Ret.) and Mrs. Alva L. Harvey of 509 Buxton Rd., Falls Church, Va., announce the engagement of their daughter, Vivian Estelle, to Mr. Charles B. Boling, son of Mr. and Mrs. Grady C. Boling of Gadsden, Ala. Miss Harvey is a student at the College of William and Mary, where she is affiliated with the Phi Mu sorority. Her fiancé, a graduate of the Columbia Military Academy in Tennessee, attended the Georgia Institute of Technology and the Alabama Polytechnic Institute. He is a member of the Alpha Tau Omega fraternity.



Photo by von Dubell
Miss Harvey

SMITH-CAMERON—Miss Rachel Cameron, daughter of Lt. Col. and Mrs. Ernest V. Cameron of 1114 No. Harlem Ave., River Forest, Ill., was married to Mr. Don Allen Smith, son of Mr. and Mrs. Don Smith of Seminole, Okla., at Norman, Okla., 20 December, in a late afternoon ceremony. Father Alvin Hays officiated.



Mrs. Smith

The bride, who attended La Universidad de Villanueva, Havana, Cuba, is now a senior student at the University of Oklahoma, where she is majoring in Spanish. She is a member of the Kappa Alpha Theta sorority and the Sigma Delta Pi honorary society. A graduate of the University of Oklahoma, the bridegroom, who is a junior student in the University's Law School, is a member of the Beta Theta Pi, the Delta Sigma Pi business and the Phi Alpha Delta legal fraternities.

Miss Patricia Jean Ball was maid of honor and Mr. Fred Gipson served as best man.

KINGSTON-BLAIR—In a late afternoon candlelight ceremony 23 December at St. Luke's Episcopal Church, Norfolk, Va., Miss Martha Virginia Blair became the bride of Lt. (jg) Edward Andrew Kingston, son of Mrs. Richard Kingston of Pascale, N. J., and the late Mr. Kingston. The bride is the daughter of Col. and Mrs. Jerome Edward Blair, jr., of 207 E. 42d St., Norfolk, and the granddaughter of Col. (USAF-Ret.) and Mrs. Stanton T. Smith of San Antonio, Texas.



Photo by Aufenger
Mrs. Kingston

Given in marriage by her father, the bride chose Miss Carole Kennon of Columbus, Ohio, as her maid of honor and Misses Betty Sue Barbee, Barbara Layne and Rosa Lee Chambliss as bridesmaids. Mr. Joseph Kingston served as best man for his brother and ushers included Lts. (jg) Jeremiah McKinley, USN, Keran O'Dwyer, USN, and Gene Coughlin, USN.

Following a Florida wedding trip, the couple will go north, where Mrs. Kingston will continue her studies at the Parson School of Design in New York, and her bridegroom will serve his submarine duty from New London, Conn.

LOWRANCE-MURPHY—Capt. and Mrs. Owen B. Murphy of the U. S. Naval Amphibious Base, Little Creek, Va., announce the engagement of their daughter, Maryalice, to Lt. (jg) Douglas Long Lowrance, USN, son of Radm. and Mrs.

Vernon L. Lowrance of San Francisco, Calif. Miss Murphy is attending the College of Notre Dame of Maryland and her fiancé is a graduate of the U. S. Naval Academy.

DUGAS-CRAIG—Capt. (USN) and Mrs. James G. Craig of Qtrs. E, Naval Air Station, Memphis, Tenn., announced the engagement of their daughter, Janet Louise, to 2d Lt. Raymond Steven Dugas, USA, at an informal Christmas Day party at their quarters. The prospective bridegroom is the son of Mr. and Mrs. David Dugas of New Orleans.



Miss Craig

Miss Craig is presently a student nurse at the Charity Hospital, New Orleans. Her fiancé is stationed at the U. S. Army Guided Missile Base, Brea, Calif.

An early September wedding is planned, following Miss Craig's graduation in August.

DRUMMOND-HILLMAN—The marriage of Miss Helen Wesley Hillman, daughter of Mrs. Marcus Lafayette Hillman of 1026 Pine St., Norton, Va., and the late Mr. Hillman, to Lt. James Everman Drummond, USA, son of Col. (USMA '23) and Mrs. Garrett Bartlett Drummond of Albuquerque, N. Mex., took place 29 December at the Methodist Church, Norton. The Rev. William E. Jelf officiated.



Photo by Foster
Mrs. Drummond

The bride was given in marriage by her brother, Dr. Mark Howard Hillman of Winter Park, Fla. Mrs. Mark H. Hillman was matron of honor. Bridesmaids were Mrs. Louis T. Tebodo of Ft. Meade, Md., Miss Margaret Hankins, Miss Teresa Horsman and Miss Louise Smith, all of Norton.

Lt. Louis T. Tebodo served as best man. Ushers were Lt. Vaughn A. Hormann, Lt. George E. Pufko, Lt. Charles E. Tucker and Lt. Hughes H. Rice, all of Ft. Meade.

WINTER-CROSS—Lt. Constance Diane Cross, WAF, daughter of Col. and Mrs. Julian B. Cross of Wright-Patterson AFB, Ohio, and 1st Lt. John Reuel Winter were united in marriage 3 January at the Base Chapel, Wright-Patterson AFB, by Chaplain (1st Lt) Ralph Carney, OFM. The bridegroom is the son of Mrs. A. W. Johnson of Salt Lake City and the late Mr. Reuel Winter.



Photo by Smith
Mrs. Winter

The bride, who was given in marriage by her father, had Miss Jacqueline Ann Meyer of Greenwich, Conn., as her maid of honor, and her bridegroom's sister, Miss Rueleen Winter, as bridesmaid. 1st Lt. James A. Marvin of Grand Rapids, Mich., served as best man for the bridegroom, and ushers were Mr. J. B. Cross, jr., brother of the bride, Lts. G. M. Winston and J. R. Brenner.

The bride is a graduate of the University of Dayton. Lt. Winter, a graduate of the University of Utah and a member of the Kappa Sigma fraternity, is assigned to the 776th Troop Carrier Squadron at Pope AFB, N. C., where his bride is Information Services Officer.

The couple will make their home at Fayetteville, N. C.

OSBORN-REYNOLDS—Lt. Col. (USA) and Mrs. James H. Reynolds, of 3704 Chambord Lane, Mobile, Ala., announce the marriage of their daughter, Mary Patricia, to Lt. John Joseph Osborn, son of Mr. and Mrs. Norman Thomas Osborn of Dallas. The ceremony took place 20 December at St. Joseph's Chapel, Spring Hill College, Mobile. The Rev. Thomas J. Cronin, S.J., officiated.



Mrs. Osborn

The bride was given in marriage by her father. Her attendants were Mrs. Raymond Lott, Matron of Honor; Miss Rosalie Osborn, the bridegroom's sister, Maid of Honor; and Miss Mary Liz Jongbloed.

Mr. Norman T. Osborn, the bridegroom's father, was Best Man. Groomsman were Mr. David Quinn and Sgt. Raymond Lott.

The young couple will live in San Francisco, where Lieutenant Osborn is assigned to Ft. Barry.

LICHTMANN-KABRICH—In an afternoon ceremony at the Post Chapel, Ft. Campbell Ky., 27 December, Miss Emily Taylor Kabrich, daughter of Col. and Mrs. Charles Edward Kabrich, Quarters 1550, Ft. Campbell, and 1st Lt. Manfred Wilhelm Lichtmann were married by Chaplain John C. Pasco. The bridegroom is the son of Mr. and Mrs. Jacob Lichtmann of Staten Island, N. Y.



Photo by A. Souza
Mrs. Lichtmann

The bride, who was given in marriage by her father, had Miss Lee Ellison of Atlanta, Ga., as her maid of honor and Misses Terry Critz and Judy Kimbrell as bridesmaids. Maj. Gorman S. Oswell was best man and ushers were Capt. William Schulte, Lts. Anthony Scibilia, Wilford Harrell and Stephen Woods.

A graduate of Stephens College, Mrs. Lichtmann also attended the University of Maryland. Her bridegroom, who is a graduate of Wagner College, Staten Island, and the Officers' Candidate School, is currently assigned at Ft. Campbell.

BOWEN-FIELDS—Miss Mary Louise Fields, daughter of Col. (USA) and Mrs. William Raymond Fields of Forest Park, Ga., and Lt. Frank S. Bowen, 3d, son of Maj. General (USA) and Mrs. Bowen, jr., of Atlanta, Ga., were united in marriage by Chaplain (Maj) H. C. Butt in an afternoon ceremony 29 December at the Post Chapel, Ft. McPherson, Ga.

The bride was given in marriage by her father, who is Deputy Commander of the Atlanta General Depot at Forest Park. Her maid of honor was Miss Joan Troutman of Ft. Jackson, S. C., and Miss Nancy Gwaltney was bridesmaid. Lt. William P. Gillette, 3d, USA, was best man and Lt. David Stewart, ADC to General Bowen, with Lt. Presley Kendall of Ft. Benning, Ga., ushered.

Lieutenant Bowen, whose father is Commanding General of the XII U. S. Army Corps (Res), Atlanta, will be stationed at San Marcos, Tex., until April, when he will be assigned to Ft. Rucker, Ala., where he will complete his Army Flight Training.

HENDERSON-VAN HORN—The Rt. Reverend Msgr. James M. Boyle performed the afternoon ceremony uniting in marriage Miss Mary Ann Henderson and Lt. Col. Robert Osborn Van Horn at St. Peter, Prince of the Apostles Church, San Antonio, Tex., 3 January. The bride is the daughter of Col. and Mrs. Harry McCorry Henderson of 1129 Wiltshire

Ave., San Antonio, and the bridegroom is the son of Mrs. Frank L. Van Horn of New Braunfels, Tex., and the late Major Van Horn.

Given in marriage by her father, the bride chose Miss Margot H. Liebel, as her honor attendant, and her niece, Miss Margaret J. Henderson, as her junior bridesmaid. Lt. Col. Fred C. Reisz, jr., was best man and ushers included Lt. Cols. H. M. Kennedy, Roy Duhart, H. M. Henderson, jr., Sterling C. Moore, Maj. Frederick A. Johnson, jr., and Capt. Odis Allen.

GULICK-McAFEE—Col. (USA) and Mrs. Charles M. McAfee of Ft. Armstrong, T. H., announce the engagement of their daughter, Anne, to 1st Lt. Roy M. Gulick, jr., USMC, son of Major General (USMC) and Mrs. Gulick of Washington, D. C.



Photo by D. Davidson
Miss McAfee

Miss McAfee, whose father was graduated from the U. S. Military Academy in 1937, is a sophomore student at the University of Hawaii. Her fiancé, a 1956 graduate of the U. S. Naval Academy, is currently stationed at the Kaneohe Marine Air Station, T. H. His father was graduated from the Naval Academy in 1926.

The wedding is planned for 6 June at St. Andrew's Episcopal Cathedral, Honolulu.

—Continued on next page

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Weddings and Engagements

From preceding page—

FRIEL-KERRINS—In a morning ceremony at St. Rose Catholic Church, Cleveland, Ohio on 27 December, Miss Joan Marie Kerrins became the bride of Lt.(jg) John Burlin Friel, with the Reverend Byrne officiating. The bride is the daughter of the Commander of the 9th Coast Guard District, RAdm. (USCG) and Mrs. Joseph A. Kerrins of 11820 Edgewater Dr., Cleveland, and parents of the bridegroom are Mr. and Mrs. James Friel of Denver, Colo.



Photo by Staidle
Mrs. Friel

The bride was given in marriage by her father and had Mrs. Robert Casper as her matron of honor and only attendant, and Lt.(jg) Robert Casper served as best man for the bridegroom. Messrs. John Grayell and Elwood Lewis ushered.

Mrs. Friel attended Mary Washington College of the University of Virginia at Fredericksburg, and her bridegroom is an alumnus of St. Mary's College, Calif.

The couple will make their home at New York City, where Lieutenant Friel is stationed.

STILES-FLYNN — Miss Patricia Deanne Flynn, daughter of Mr. and Mrs. Walter Daniel Flynn of Hempstead, L. I., N. Y., and Mr. David Ramsay Stiles were married at the Church of the Transfiguration, New York City 27 December. The bridegroom is the son of Mrs. W. C. I. Stiles of The Moorings, 9 Rowan Rd., Summit, N. J., and the late Captain Stiles, USN.

Following a wedding trip to Bermuda, Mrs. Stiles will continue her studies at Pratt Institute. Her husband, a graduate of Pratt, is stationed with the U. S. Army at Ft. Dix, N. J.

NIMOCKS-LEE—Mrs. Carnes Lee of 1222 Pomelo Ave., Sarasota, Fla., has announced the engagement of her daughter, Susan Jane, to Mr. Walter B. Nimocks, son of Mr. and Mrs. Alfred Byron Nimocks of Forrest City, Ark.

Miss Lee, whose father is the late Colonel Lee, is a graduate of Vanderbilt University, where she was a member of the Delta Delta Delta sorority. She is employed as a Speech and Hearing Therapist with the State Public Health Department at Nashville, Tenn. Her fiancé, a graduate of the University of Arkansas and a veteran of two years' service in Korea, received a Master's degree in History from the University of Arkansas and is now working on a Ph.D. degree at Vanderbilt.

The wedding is planned for 24 January at St. Augustine's Episcopal Chapel in Nashville, where the young couple will make their home at 2314 Dixie Place.

NOYES-ADAMS — Miss Melinda Ann Adams, daughter of Col. and Mrs. Rollie W. Adams of Ft. Rucker, Ala., was married to 1st Lt. Ralph Lee Noyes, USAF, son of Mrs. Pearl Noyes of Salisbury, Vt., at the Post Chapel, Ft. Rucker 27 December.

Maid of honor was Miss Karen Lee Sogard, daughter of Col. and Mrs. S. S. Sogard of Ft. Benning, Ga., and her other attendants were Misses Ann Ballenger, Jamie Doyle, daughter of VAdm. and Mrs. A. K. Doyle, Jeanne Ferguson and Jan Adams, with little Miss Suzanne Adams as flower girl. Lt. Larry Ogle was best man and ushering were Lts. Jack Lowery, Jerry Byars, Gerald Coulston and David Conlan.

Mrs. Noyes, a graduate of the University of New Mexico, also attended the overseas branch of the University of Georgia at Taipei, Taiwan. Her bridegroom is a graduate of the University of Vermont.

Lieutenant Noyes is stationed at Laredo AFB, Texas, where he and his bride will make their home.

DERICKSON-BETEILLE—Cdr. (USN-Ret.) and Mrs. M. T. Smith of Washington, D. C., announce the engagement of her daughter, Miss Genevieve Pierrette Beteille, to Midshipman Richard Barnett Derickson, 3d, USNA, son of Captain (USN) and Mrs. Derickson, jr. of Annapolis, Md.

A June wedding is planned.

DAVIDSON-BESSELL—Col. and Mrs. William Weston Bessell of West Point, N. Y., announce the engagement of his daughter, Constance, to Mr. Thos. Marshall Davidson, son of Lt. Gen. and Mrs. Garrison Holt Davidson of West Point.

Miss Bessell, daughter also of the late Mrs. Katherine Hanratta Bessell, is a senior student at Marymount College. Her father is Deputy Dean of the U. S. Military Academy, Mr. Davidson, a senior



Photo by D'Armas
Miss Bessell

SAUCY MEETING

The January luncheon of the Officers Wives Club of the Office of the Army Inspector General will be held Wednesday, 14 January at the Officers Club, Ft. McNair.

Madame Petro-Colonna, a French teacher of French cooking and exotic French foods will be the guest of honor and speaker. She will discuss sauces, menus and wines.

Hostesses are Mesdames James F. Schoonover, Wilner N. J. Nelson and James F. Smith.

Army Distaff Club Seeks Volunteers

Volunteers are needed by the Army Distaff Club Foundation to staff its new office, which will be opened before 1 February in downtown Washington, D. C.

Especially needed are typists, file clerks and telephone receptionists, according to Mrs. Hoy D. Davis, a member of the Foundation's Board of Directors and President of the Army Wives Council.

The Foundation plans to construct and operate an apartment club for elderly women dependents of Army officers. Dining and entertainment facilities, recreation rooms, and an infirmary are also planned as part of the project.

A nursing adjunct, to be called Potomac Post, also will be built.

Mrs. Dwight D. Eisenhower is Honorary Chairman of the Foundation's Women's Advisory Committee.

Temporary mailing address of the Foundation, which will soon initiate a full-scaled fund raising drive, is Box 9608, Washington 16, D. C.

Army Wives Express Thanks

■ Thank you very much indeed for your considerable assistance to the projects of Army Wives Council. I hope you realize that after each one of your articles in THE JOURNAL, mail and contributions are received at the Post Office Box. You have helped considerably in building interest in this organization.

This sustained effort of AWC to serve the Army widow is providing a cohesive influence to the officers' wives activities through the Army. I wanted to take this opportunity of expressing appreciation for your part toward this unselfish and worthwhile effort.

MRS. HOY D. DAVIS, JR.
PRESIDENT,
ARMY WIVES COUNCIL

at Williams College, where he is a member of the Delta Upsilon fraternity, is the son of the Superintendent of the Military Academy.

CURRY-MATLOCK — The Armed Forces Staff College Chapel, Norfolk, Va., was the setting 17 December for the afternoon double ring ceremony uniting in marriage Miss Hallie Annette Matlock and Lt. (jg) William Hubert Curry, jr., USN, with Chaplain (Cdr.) Glyn Jones, USN, officiating. The bride is the daughter of Lt. Col. (USA) and Mrs. Hallie A. Matlock of Norfolk, and the bridegroom is the son of Mr. and Mrs. Curry, sr. of Milledgeville, Ga.

Miss Frances Matlock was maid of honor and only attendant for her sister, and Lt. (jg) J. P. Doscher, USNR, was best man. Groomsmen were Lts. (jg) R. J. Tussey, USNR, and M. F. Maxson, USN.

Mrs. Curry, whose father is a member of the Staff and Faculty of the Armed Forces Staff College, is a junior student at the College of William and Mary in Norfolk, where she is a member of the Alpha Omega Phi sorority. A 1957 graduate of the U. S. Naval Academy, the bridegroom is stationed aboard the carrier USS Intrepid.

The couple are residing at Norfolk.



FT. EUSTIS Officers' Wives Club welcomes newcomers at a recent coffee. Mrs. H. O. Kemp is shown pouring for Mrs. John W. Philbrick.

Father-In-Law Steals Navy Wife For Army

A NAVY wife, an Army Nurse and an Army daughter are all rolled into one in the person of 2d Lt. Virginia F. Hamrick, a student at the Army Medical Service School, Ft. Sam Houston, Tex.

She is the wife of Ens. James M. Hamrick, USN, USNA '58, who is attending the Damage Control School at the Philadelphia Naval Shipyard.

Her father-in-law, who swore her in as a second lieutenant at Brooke, is Col. William A. Hamrick, USA, Director of the School's Department of Administration.

Col. William H. G. Fuller, USA, who recently transferred from Ft. Sam Houston to become Senior Military Advisor to the North Carolina National Guard in Raleigh, is her father.

Added to the family's military roster are her father's brother, Col. A. L. Fuller, jr., USA, stationed in Puerto Rico, and her mother's brother, Col. Thomas R. Hannah, USA, at Ft. Jackson, S. C.

Two aunts of Lieutenant Hamrick married Army officers, and two officer cousins are stationed at Ft. Jackson.



MRS. KRISMAN HONORED—Mrs. Michael J. Krisman (left), wife of the Commanding Officer of the 2d Artillery Group (Air Defense) and Fort Niagara, is honored at a welcoming tea given by the Officers' Wives Club. Talking with Mrs. Krisman is Mrs. John D. Blohm, president of the Officers' Wives Club. Colonel Krisman assumed his new command on 3 December.

Mrs. Seith Leads AF Academy Wives

The U. S. Air Force Academy Officers' Wives' Club has elected Mrs. Ted Seith, President; Mrs. W. L. Baxter, Vice President; Mrs. John Gurski, Secretary; and Mrs. L. J. Churchville, Treasurer.

Standing committee chairmen have been appointed as follows: Mesdames H. F. Murray, Membership; George Simler, Luncheon and Program; W. H. Copp, Recreational Activities; H. L. Hogan, Welfare; Silas Molyneaux, Thrift Shop; J. V. G. Wilson, Youth Council Representative; R. M. Monts, III, Publicity; and B. E. Macartney, Parliamentarian.

JUST LUNCH—NO SPEAKER

The January luncheon of the Women's Club of the Industrial College of the Armed Forces will be held Tuesday, 13 January at the Fort McNair Officers' Club.

The Social Hour will start at 12 noon.

This is in the nature of a "recovery from the holidays" luncheon and there will be no formal program or speaker. The ladies will sit according to their geographical locations in the area and have a relaxing meal chatting with their "neighbors."



INSTALLED AT LUNCHEON — Mrs. Grover L. Wilson, Jr., (right) who resigned as president of the Sheppard AFB Officers' Wives Club, is presenting the gavel to Mrs. William C. Henry, incoming president, who was installed during a recent luncheon. Mrs. Wilson's husband is transferring from Sheppard early in January.

Army Orders

From page 17—

TEMPORARY PROMOTIONS—

To Lt Colonel

Peoples, Robert H, Inf.

To 1st Lieutenant

Barnett, Robert A, Arty.
Goldberg, William, Ord C.
Walshall, Thomas H, Arty.

APPOINTED IN RA—

Major

Leonard, William B, Ord C.
Logan, Robert M, Inf.
Marshall, Robert B, Inf.
McKenzie, Donald H, Sig C.

Captain

Atchinson, Eulen D, Arty.
Byrd, James C, TC.

2d Lieutenant

Allanson, Will B, FC.

PROBATIONARY APT TO RA COMMISSION—

Blackwell, Lt Col James M, MSC (apt Maj).
Brookman, Capt Harry J, Arty (apt 1st Lt).

HONORABLY DISCHARGED—

Overly, Capt Robert E, CE (pd).

BRANCH ASSIGNMENTS—

Bray, 1st Lt John R; fr Arty to Ord C.
Crowell, 1st Lt William B; fr Arty to TC.
Alton, Capt William S; fr Ord C to TC.
Porter, 1st Lt John G; fr Inf to CE.

DESIGNATED ARMY AVIATORS—

Senior Army Aviators:
Wangerin, 1st Lt Clarence J, CE, NG.
Bearden, Capt William A, Inf.
O'Hara, Capt Daniel, Arty.
Ezell, CWO W-2 Alvin D, TC.
Scott, CWO W-2 Delmont H, TC.

ADVANCED ON RET LIST—

Matthews, M/Sgt Seale H, to Maj.
Lyon, M/Sgt Robert R, to Capt.
Powers, Sp3 John C, to 1st Lt.
Pridgen, M/Sgt Robert H, to 2d Lt.
Thomas, Sgt John W P, to Sfc.
Roeben, Sp2 Anton A, to Sfc.

EM RET AND TRF TO USAR—

Flanagan, Sfc Claud W; Grigsby, Sfc James F; Phillips, Cpl Charles R; Lyons, Sgt Robert J; Simmons, Sp4 Charles G; Sparks, M/Sgt Leslie L; Farnsworth, Sfc Proctor G; Staples, Sfc Harry J; Bennett, M/Sgt Clarence E; Christensen, M/Sgt William.

ENLISTED MEN RETIRED—

Basco, M/Sgt Joseph O, as 1st Lt; Perkins, Sfc John W, as CWO, W-2; Smith, M/Sgt Frank C, as Col.
Cameron, Sfc George; Wrangle, Sfc Marion; Arms, Sgt Harry D; Merrill, Sgt Vernon G; Chambers, Pvt Laurens H; D'Addazio, Pvt Frank; Thompson, Pvt Lunie H; Teague, Pvt Richard C; Cline, Cpl James A; Sedofsky, Sgt Daniel; Thomas, Cpl Ralph F; Walsh, Pvt Clarence W; Humiston, M/Sgt Robert A; Hunt, Sp4 Lynn W; Strally, M/Sgt Paul J; Hanks, Cpl Leland B; Peters, Cpl Anthony; Brown, Pvt Stevens; Nelson, Pvt Ella E, 2d;
Custard, Sfc George F, sr; Lewis, Sgt Frank; Moore, M/Sgt Walton C; Silva, Pfc Louis J; Wilmoth, Pfc Lorenzo H; Waltman, Pvt Jay C; Keller, Sfc Henry A.

USAF Orders

From page 9—

To 911th Air Rflg Sq, SAC, Seymour-Johnson AFB

Pr Walker AFB: Alexander, Kirby W
Peacock, Cecil M

CAPTAIN

McSweeney, Alvin R, Ent AFB, to 3401st

Stu Sq, ATC, Keesler AFB.

Fr Walker AFB to Sta Indicated

Bothe, James N, Jr, 911th Air Rflg Sq, SAC,

Seymour-Johnson AFB.

Hammer, John J, 6313th AB Sq, PacAF, APO

230, SF.

To 902d Air Rflg Sq, SAC, Clinton Sherman

AFB:

McCluney, Richard L, Jordan, Roy E

1ST LIEUTENANT

Voelcker, Robert H, Walker AFB, to 902d Air

Rflg Sq, SAC, Clinton Sherman AFB.

To 41st Air Rflg Sq, SAC, Griffiss AFB

Pr MacDill AFB:

Bermel, Blaine L

Walters, Neil I

2D LIEUTENANT

Graham, Dallas R, Ent AFB, to Det 42, 613th

Aft Contr & Wrng Sq, PacAF, APO 919,

SF.

CHIEF WARRANT OFFICER

Gibbons, W-2 William J, APO 23, NY, to 6th

Ops Sq, SAC, Walker AFB.

RETIRED—

Colonel

Westlake, William

Richardson, Wayne K

Lt Colonel

Hinrichs, Roland
Gamble, (Maj) Louis
G, as Lt Col

Major

Cain, Garland E
Darling, Charles E, as

Lt Col

Captain

Pozar, Henry M, as Maj

OFFICERS TO TEMP DISAB RET LIST—

Anderson, Capt Walter F.

RESIGNED—

Matthews, Maj Allen R.

PERMANENT PROMOTIONS—

To Lt Colonel

W/DR 20 Dec 58

Keithley, George J Trask, John A
Cooper, Theodore L Aaron, Thos R
Johns, Howard G
Powell, Sherrill L, Jr, w/DR 22 Dec 58.

To Major

W/DR 20 Dec 58

Avance, Donald E May, Bedford D
Schmidt, Carvel W, w/DR 21 Dec 58.

W/DR 22 Dec 58

Thurber, George F Adams, John A
Reynolds, Benoni O Shae, Jas M, (MSC)

To Captain

W/DR 21 Dec 58

Mixson, Marion H, Jr Hines, John S
(MSC) Gore, James E
Milstead, Robt E Cowne, Robt W
Mitchell, Robt J Briggs, James E
Wood, Richard J Wilson, Clayton A, III
Winston, Marjory E Crum, Suzanne
Tarver, William R Bonnell, John H
Brown, Norma E Roberts, Donald E
Marks, Paul D Cerny, Joseph P

To CWO-3

Smith, Horace H, w/DR 20 Dec 58.
Buta, George O, w/DR 21 Dec 58.
Lovlien, Erling H, w/DR 22 Dec 58.

To CWO-2

W/DR 20 Dec 58

Heavner, John T Jackson, Ralph A
Hake, Daryl E Miller, Ernest E
Goodman, Oliver E Lightner, George S

W/DR 21 Dec 58

Cato, Dick D Sollien, Richard O
Wood, Thos V Parker, G Lawrence
Killgore, Farrol E Miller, Richard I
Pritchett, Dale D Hardcastle, Robt J
Kendall, Merlin W Elder, James D
Phillips, Lawrence P Boehm, Christopher
McEwen, Don C Allen, John
Elder, Robt D Gallaher, Milton E
Pierce, Joe B Drinkard, John C
Bernier, Clarence G Watkins, Lee
Feeney, Raymond M Lowry, John R
Brown, Howard E, Jr Powell, Fred W
Eisenstadt, Abraham Angleton, Bryan J
Reeves, James A Weir, Frederick E
Harris, Buford H McClendon, Jack H
Parks, Clifford E

W/DR 22 Dec 58

Weaver, Leslie A Greenlaw, Leslie L
Lasiter, Wm R, Jr Kennedy, Reginald W
Vaughan, Roy L Cox, John F
Berteau, Lucien J, Jr Kelliher, Raymond
Curtis, James W Connors, James J
Knight, Wm E Kerr, Don O
Bobb, A J Johnson, Henry C, Jr
Marsteller, H L, Jr Travis, Russell R
Timreck, Herbert F McDaniel, James L
Bain, James A Baker, Howard H
Free, Paul L Martin, John A
Fennell, Jas G, Jr Helleman, David W
Neavill, James C Kearsley, Donald E
Long, James H Sersaln, Gale F
Teague, Donald L Dalley, Rollind W
Head, A J Coons, George E
Pilcher, J V Eudaley, Eugene O

REGAF PROMOTIONS CONFIRMED—

To Lt Colonel

Fitzsimmons, Robt J Larsen, William A
Green, Norman E Personett, Thomas A
Whitt, James A

To Major

Hurley, James C Stevenson, Chas S

To Captain

Humphrey, Eugene C Cardarelli, A J (MSC)
Landon, Robt M James, P M, (NC)
Dodson, J G, (MC)

To 1st Lieutenant

Cleveland, Frederick H.

CORRECTION—

Laymon, 2d Lt Denis B, prev ors re his rsg
fr Walker AFB, to 10th Trans Wg, SAC,
APO 123, NY IATR "to 10th Tac Recon
Wg, APO 123, NY."

AIRMEN TRF TO AFRES & ASG INACT

STATUS—

Ashby, M/Sgt James C; Douglas, M/Sgt
Julius M; Rainbolt, M/Sgt Woodrow D;
Smith, M/Sgt James L; Steele, M/Sgt Allen
E; Bernshausen, T/Sgt A R; Hagan, T/Sgt
Alfred L; Clark, S/Sgt Cecil L; Bottoms,
M/Sgt John W; Dowdell, M/Sgt William T;
King, M/Sgt Scott L; Powers, M/Sgt Preston
E; Mallory, M/Sgt Clinton D; Smith, M/Sgt

Mark F; Wilson, M/Sgt Victor L; Chesser,
T/Sgt Robert S; Hendricks, T/Sgt Lucullus.

AIRMEN RETIRED—

Dunn, M/Sgt Clarence L; Farrow, M/Sgt
Hosea H; Stine, M/Sgt John J; Wood, M/Sgt
Harley W; Bales, M/Sgt Edwin P; Mongold,
A/1C Olen T; Swanlaw, S/Sgt John W;
Gumm, T/Sgt Stanley; Carroll, A/1C Richard
T; Jackson, A/1C Norman W.

Navy Orders

From page 7—

Hance, Kenneth P, OSD WashDC; to Al
USNA and AIUSNA for Air Copenhagen.
Hartung, Walter P, BuShips; to PearlNav
ShipYd.
Haynes, Ralph B (DC), 11ND; to NavAdCom
NTC San Diego.
Kircher, John J, CO USS Vesuvius; to 13ND.
Mortell, Ward M (DC), Naval Dental Clinic
Pearl; to NavAdCom San Diego.
Pfingstag, Paul W, CO NavShip RepFac Yo-
kosuka; to SupShip USN NavInsOrd New-
port News Shipbuilding and Drydock Co.
Santmyers, Selby K, ComDesRon Seven; to
OpNav.
Spangler, John C, ComPhibRon Five; to
ACofS for Logistics JSstaff ComUSForces
Japan.
Springer, Frank G, PearlNavShipYd; to
Staff Commander WestSeaFrontier.
Sugarman, Charles M, Staff ComCruDesPac;
to OpNav.
Tilbourne, Edward R, MareNavShipYd; to CO
NavShipRepFac Yokosuka.
White, Richard D, CO USS Olmsted; to ACofS
for Administration CnclantFit.
White, Theodore H, Staff CO MSTs Pacific
Area; to OpNav.

COMMANDER

Ayers, Arnold W, HELANTISUBRON TWO;
to CO Same Ron.
Baker, Raymond W, NAVSTA NAVB NPT
TEM; to NAVWARCOL NPT.
Burton, John H, PATRON 28; to CO PAT
RON 11.
Marshall, Roland W, NAVAVSAFETYEN
NAS NORVA; to NARESTRACOM NAS
GLEN.
McClagherty, Harry C, NAAS WHITING
FLD MILTON; to NAS BARPT.
Palm, John W, CO USS RUSHMORE; to
HEAD OF THE DEPT OF NAVSCIENCE
NEW YORK STATE MARITIMECOL
FORT SCHUYLER BRONX.
Perez, Ramon M, NAVPHIBSCOL CORO-
NADO; to ALUSNA AND ALUSNA FOR
AIR MONTEVIDEO.
Rice, Leo F (CHC), CARDIV 15; to NAVAD
COM NTC SDIEGO.
Shapiro, Joseph K, USS TRUCKEE; to OIC
NAVMOION PICTURESERV NAVB
BKLYN.
Souza, Philip E, NAVAIRPAC; to NAVSEC
GRUHEADCTY WASHDC.
Waldman, Joseph R, 13ND; to CO NAVMAR
CORESTC PROVIDENCE.
Wood, Stanley A, NPG DAHLGREN; to
MAAG TAIWAN TAIPEI.
BAHLMAN, JOHN H, USS ESSEX; to NAV
TRADEVICESCEN SANDS PT PORT
WASHINGTON LI.
Benson, Lloyd G, ONM NAVDEPT; to
FLEACT YOKOSUKA.
Lowe, Richard L, SECONDFLT; to CO USS
RUSHMORE.
Bensel, Henry D (CEC), OFC OF OICC BU
DOCKSCONTR MADRID; to DPWO 6ND.
Carlson, William S, USS ALBEMARLE; to
NAS ANACOSTIA WASHDC.
Colleran, Gerald F, BUAER; to CO FITRON
191.
Fox, Frederick M, NAS JAX; to FEDAV
AGENCY WASHDC.
Grekaouk, John, Jr, OIC NAVRADSTA (T)
ANNA; to OIC NAVRADSTA (T) JIM
CREEK OSO.
Johnson, Norris A, FLEACT RYUKYUS
NAHA; to 11ND TEM.
O'Flaherty, Roderick L, SEVENTHFLT; to
CO NAAS NEW IBERIA.
Sander, Carl A, Jr, COMCORTRON 10; to
COMNLONDEVEDET OPDEFFOR.
Sparks, Robert E (CEC), NAAS KINGS-
VILLE; to NAS PNCLA.
Staley, David L, Jr, BUAER; to USS SHAN-
GRI LA.
Taddeo, Alfred S, ATKRON 126 TEM; to
CO ATKRON 52.
Weart, Elliott M (SC), MINLANT; to USS
HECTOR.
Williams, Earl O (SC), ONM NAVDEPT; to
MINLANT.
Wilson, Rowland S, USS VULCAN; to NAVB
NPT.
Blinton, Vernon E, NAVAIRLANT; to USS
FORRESTAL.
Bonner, Robert A (CHC), USS INTREPID;
to NAS PAXRIV.
Caton, Clifford E, FLETC NAVB NORVA;
to NUCLEAR WPNTCLANT.
Fitzgerald, Jack R, HATRON FOUR; to
HATWG TWO.
Hinman, Jack J, III, USS THETIS BAY; to
BUORD.
Jenkins, Charles W, 11ND TEM; to NAV
PHIBSCOL CORONADO SDIEGO.
Kellerman, Lewis R, FAIRALAMEDA; to
NAS JAX.
Lee, Howard C, FITRON 21 TEM; to CO
ATKRON 25.

Army Navy Air Force Journal 29

10 Jan. 1959 (Vol. 96, P. 565)

Lowrey, James J, FLETC NAVB NORVA; to
NUCLEAR WPNTCLANT.
O'Neill, Martin G, CO FITRON 14; to FIT
RON 101.
Petiprin, Floyd R (MSC), BUMED; to SEC-
RETARIAT ADGRU FOR AERORSCH AND
DEV PARIS.
Reinhardt, Charles B, CO USS EUGENE A
GREENE; to STAFF CINCLANTFLT.
Rhodes, Thomas W, USS SHANGRI LA; to
CO NAVGMGRU ONE.
Rutzel, Robert T, 12ND TEM; to NAB 13ND.
Clarrocca, Lou, OFC OF BAGR CENDIST
WRIGHT PATTERSON AFB; to NAS
QUONPT.
Dalbey, Earle G (SC), NAVAIRLANT; to
NAS OCEANA VIRGINIA BEACH.
Dannettell, Ralph, Jr, PATRON 18; to
FAIRJAX.
Dorrington, Joseph F, USS LAKE CHAM-
PLAIN; to OPNAV.
Johnson, Donald H, AWFITRON FOUR; to
AFSEC MAAG TAIWAN TAIPEI.
Lindner, Newell D (CHC), NAVSTA BER-
MUDA; to BUPERS.
Ryder, Henry S, SFRANAVSHIPYD; to USS
RANGER.
Shea, Leonard E (SC); NAS OCEANA VIR-
GINIA BEACH; to NAVAIRLANT.
Weaver, Victor H, AEWRON 11; to NADEV
CEN JOHNSVILLE.

LIEUTENANT COMMANDER

Blair, Marvin S, CO USS TUNNY; to
BUAER.
Bodamer, Robert E, STAFF CINCPACFLT;
to USS BRINKLEY BASS.
Christopher, Frank J, DESRON ONE; to
USS ARNOLD J ISBELL.
Chupallo, Anthony F (SC), USS CAPE ES-
PERANCE; to SPCC MECH.
Fritz, Ernest S, HATRON SEVEN; to CAR-
DIV SIX.
Gillmore, Allen J, SFRANAVSHIPYD; to USS
ESTES.
Groves, Samuel N, Jr, ATKRON 34; to
ATKRON 44.
Heller, John G, CO USS PROTECTOR; to
NAVSUBASE NLON.
Herrick, Robert W, OPNAV; to STAFF
CINCPACFLT.
Jones, Albert L (SC), NAVSEC MAAG VIET
NAM SAIGON; to BUAER.
Kisak, Valdimir, USS CIMARRON; to CO
NAVRESTC SANTA CRUZ.
Mann, William E, Jr, FAETUPAC DET
TWO; to NABATACOM NAS PNCLA.
McCartan, Edward F, 3ND TEM; to EAST
SEAFRON.
Noel, Walley H, NAVCOMMSTA NPT; to
NAVCOMMSTA PEARL.
Postlethwaite, Charles W, NAVRADSTA (T)
ANNA; to OIC Same Sta.
Rowan, Russell A, Jr, SUBRON TWO; to
NUCLEARWPNCPC NAS NORIS
SDIEGO.
Simmons, Myra E (NC), NAVHOSP PHILA;
to NAVHOSP CHELSEA.
Tait, George L, OIC PAMI NATRACOM NAS
PNCLA; to PAMI CONUS NTC BAIN.
Watt, Jesse R, NASPWPNFAC KIRTLAND
AFB; to NAVNUCLEAR ORDEVALU AL-
BUQUERQUE.
West, Herschal J, USS THETIS BAY; to
NAVHOSP SDIEGO TRMT.
Wheeler, Doretha H (MSC), NAVHOSP OAK;
to NAVHOSP CAMPEN.
Wilson, Vernon, USS SALEM; to OFC OF
NAVINSORD NAVINDRESORDPLANT
POMONA.
Zartman, Walter F, OPNAV; to USS KEP-
PLER.
Carper, John E, CRUITNOP MPLS; to USS
RANGER.
McCrory, Wendell (SC), USS TUTUILA; to
NAS KINGSVILLE.
Rossi, Louis P (SC), USS MOUNT MCKIN-
LEY; to BUPERS.
Smyth, Robert P, FASRON (SPECIAL) 200;
to OPNAV.
Wasko, Frank, AIRDEVRON SIX; to NAS
WILLOW GROVE.
Kudritzen, Diana (NC), NAVHOSPCORP
SCOL NAVHOSP SDIEGO; to NAVHOSP
CAMPEN.
Mansfield, Richard W, HATRON TWO; to
NAVPCIC SUITLAND.
Miller, Samuel J, FASRON 105; to NATECH
TU NAS LAKEHURST.
Smith, Helen M (NC), NAVHOSP PHILA;
to NAVHOSP NAVAVMEDCEN 54 PNCLA.
Watson, Ann O (NC), NAVHOSP SDIEGO;
to NAVHOSPCORSOL NAVHOSP
SDIEGO.
Austin, Frank H, Jr (MC), NATESTCEN
PAXRIV; to CARAIRGRU FOUR.
Bugg, Paul, NAMISTESTCEN PT MUGU;
to NAVMISSILEFAC PT ARGUELLO.
Fisk, Calvin W (SC), USS ZELIMA; to NAV
SCOL FRTRANS NSC OAK DUINS.
Fitzgerald, Jean, USS CURRIER; to BU
PERS.
Flynn, David L (CEC), NARESTRACOM
NAS GLEN; to NAVMCB NR 10.
Gourgues, Ralph C, NAVAIRPAC; to NA
BATRACOM NAS PNCLA.
Haselton, Frederick R, Jr, CO USS POM-
PON; to ONR NAVDEPT.
Hokenson, Carl L, USS WALLER; to SERV
LANT.

—Continued on page 25—

Births • Marriages • Deaths

(No charge for Service announcements. Please print all names.)

Born

AARESTAD—Ft Belvoir, Va 29 Dec Capt and Mrs James H Aarestad, daughter.
ABELN—Ft Belvoir, Va 31 Dec Capt (USAF) and Mrs Terence E Abeln, son.
ADAMSON—Maxwell AFB, Ala 13 Dec Capt and Mrs G Douglas Adamson, daughter, Rebecca Jean.
ALEY—Andrews AFB, Washington, DC 14 Dec Capt and Mrs Edwin B Aley, daughter.
ALLEGRO—Cherry Pt, NC 14 Nov 1st Lt and Mrs James Allegro, daughter, Leslie Anne.
ARNOLD—Maxwell AFB, Ala 28 Dec Capt and Mrs J C Arnold, daughter.
BAKER—Neubucke/Nahe, Germany, 25 Dec CWO and Mrs Richard K Baker, daughter, Virginia Ellen.
BAXTER—Neubucke/Nahe, Germany 21 Dec Sp4 and Mrs David Y Baxter, son, David Young, Jr.
BELL—Chateauroux, France 18 Dec Sp5 and Mrs Jerry D Bell, 67th Trans Co, APO 10, NY, son, Gerald D.
BERGMAN—Andrews AFB, Washington, DC 12 Dec Lt (jg) and Mrs Walter Bergman, daughter.
BILLOW—Patterson AFB, Ft Monmouth 16 Dec CPO and Mrs William H Billow, Mountaintop Ave, Atlantic Highlands, NJ, son.
BOSSA—Ft Belvoir, Va 26 Dec Maj (USAF) and Mrs Amos L Bossa, son.
BOWLES—Ft Belvoir, Va 22 Dec Capt (USAF) and Mrs George A Bowles, Jr, son.
BRAMMER—Neubucke/Nahe, Germany 12 Dec Sp4 and Mrs Hursheil L Brammer, daughter, Shellene A.
BREMER—Neubucke/Nahe, Germany 24 Dec CWO and Mrs Virgil I Bremer, son, Mark Charles.
BRENNER—Maxwell AFB, Ala 5 Dec Capt and Mrs E W Brenner, son, Jeffery Howard.
BROWN—Patterson AFB, Ft Monmouth, NJ 19 Dec Cpt M/M (USN-Ret) and Mrs Raymond P Brown, 26 Navesink Ave, Rumson, NJ, son.
CAMPBELL—Neubucke/Nahe, Germany 15 Dec M/Sgt and Mrs S J Campbell, daughter, Deborah S.
CARBO—Ft Belvoir, Va 1 Jan Capt (USAF) and Mrs Kenneth J Carbo, son.
CASIOR—Neubucke/Nahe, Germany 15 Dec Maj and Mrs Eugene J Casior, son, Carlton L.
CASSALIN—Quantico, Va 14 Dec 2d Lt and Mrs Alan B Cassalin, son, Alan Benjamin.
CLEARY—Carlisle Bks, Pa 21 Dec Lt Col and Mrs Thomas J Cleary, son.
CLEVELAND—Ireland AH, Ft Knox, Ky 21 Dec Capt and Mrs John H Cleveland, son, Robert Lee.
CONLEY—Ft Riley, Kans 25 Dec 1st Lt and Mrs James Conley, son, Matthew Peter.
COOPER—Ft Eustis, Va 18 Dec CWO and Mrs Cecil P Cooper, daughter.
COPPS—Ft Riley, Kans 28 Dec Capt and Mrs Stephen Copps, son, Christopher Alden.
DALAGER—Ireland AH, Ft Knox, Ky 13 Dec 2d Lt and Mrs Patrick D Dalager, National Guard Arm Sch, Ft Knox, daughter, Judy-Lin.
DAVID—Ft Belvoir, Va 19 Dec Maj and Mrs Bert A David, son.
DE NICOLA—Plattsburgh AFB, NY 19 Dec 2d Lt and Mrs Michael W DeNicola, N Ausable St, Keeseville, NY, son, Michael Angelo.
DOBBINS—Andrews AFB, Washington, DC 21 Dec Maj and Mrs Russell Dobbins, son.
DOUGLAS—Charleston, SC 30 Dec Maj (USA) and Mrs James S Douglas, Mil Dept, The Citadel, Charleston, daughter, Patricia.
DREW—Neubucke/Nahe, Germany 19 Dec Capt and Mrs James T Drew, daughter, Katherine L.
DUFF—USNH Portsmouth, Va 18 Dec Capt (USA) and Mrs Joseph C Duff, Qtrs 324-B, Ft Story, Va, daughter, Jenith Elizabeth.
DYMENT—Ft Benning, Ga 28 Nov Capt and Mrs LeRoy W Dymont, Jr, 105D Kessler Dr, Custer Ter, Ft Benning, daughter, Linda Lee, granddaughter of Col and Mrs Robert M Gant.
EDWARDS—Maxwell AFB, Ala 5 Dec 1st Lt and Mrs K D Edwards, son, Keith Russell.
EVERLEY—West Point, NY 17 Dec 1st Lt and Mrs Carl B Everley, 329th MATRON Stewart AFB, Newburgh, NY, son, Carl David.
FELDMAN—Andrews AFB, Washington, DC 14 Dec 1st Lt and Mrs Jack Feldman, son.
FORESTER—Neubucke/Nahe, Germany 15 Dec Sp4 and Mrs Robert B Forester, son, Thomas H.
FOX—Quantico, Va 20 Dec 2d Lt and Mrs Richard M Fox, daughter, Donna Marie.
FOX—Maxwell AFB, Ala 20 Dec Capt and Mrs A E Fox, son, Eric Edward.
FREY—Ft Belvoir, Va 24 Dec 1st Lt and Mrs Neal W Frey, daughter.
GAY—Wright-Patterson AFB, Ohio 13 Dec 1st Lt and Mrs Clarence C Gay, daughter.
GEFFEN—Ft Belvoir, Va 20 Dec Capt (USAF) and Mrs William Geffen, twin daughters.
GOLDFARB—Wright-Patterson AFB, Ohio 16 Dec 1st Lt and Mrs Ivan J Goldfarb, son.

GOODER—Fitzsimons AH, Denver 23 Dec CWO (USAF) and Mrs Francis R Gooder, daughter.
HAINES—Andrews AFB, Washington, DC 10 Dec Capt and Mrs John Haines, daughter.
HANSEN—West Point, NY 17 Dec Maj and Mrs Richard H Hansen, Dept of English, USMA, son, Craig Wilson.
HARDY—Ireland AH, Ft Knox, Ky 22 Dec 1st Lt and Mrs Henry A Hardy, Jr, daughter, Katherine Luise.
HARRISON—Neubucke/Nahe, Germany 20 Dec Sfc and Mrs Furman F Harrison, son, Brent Howard.
HARRISON—WRAH, Washington, DC 29 Nov Capt and Mrs Richard E Harrison, son.
HATCH—West Point, NY 17 Dec Capt and Mrs Jay Allen Hatch, Dept of Mil Topography and Graphics, USMA, son, John Wilson.
HAWKINS—On 24 Dec, Maj and Mrs Robert L Hawkins, 1910 Green St, Dublin, Ga, daughter, Lisa Anne.
HAYES—WRAH, Washington, DC 2 Dec Lt Col and Mrs George J Hayes, son.
HELTZEL—Geo Washington Univ Hosp, Washington, DC 2 Jan Lt (USNR) and Mrs Robert T Heltzel, son, Robert Tyson, grandson of Mrs Theima Smith, Washington, DC, and of Maj Gen and Mrs Louis V Hightower, 408 Burke Dr, Alexandria, Va. Mrs Heltzel is the former Gretchen Hightower.
HOBBS—Ft Belvoir, Va 24 Dec Lt (USN) and Mrs James B Hobbs, son.
HOTELLING—Neubucke/Nahe, Germany 19 Dec Sfc and Mrs Roger H Hotelling, daughter, Rogena Marie.
HOUSE—Dreux, France 16 Dec 1st Lt and Mrs Frederick B House, Det 15, 18th Weather Sq, APO 253, NY, son, Mathew J.
HUGHES—Ft Dix, NJ 21 Dec Capt and Mrs Charles Hughes, daughter, Susan Marie.
HUGHES—Dreux, France 21 Dec T/Sgt and Mrs Harold E Hughes, 12th TrpCaRON, APO 84, NY, daughter, Tamara N.
HUNTER—Fitzsimons AH, Denver 22 Dec Lt Col (USAF) and Mrs James D Hunter, daughter.
JEFFERY—Neubucke/Nahe, Germany 20 Dec Sp4 and Mrs Joseph R Jeffery, daughter, Doris Maria.
JOHNSON—Andrews AFB, Washington, DC 15 Dec Capt and Mrs Evan Johnson, daughter.
JOHNSON—Ft Belvoir, Va 28 Dec Cdr (USN) and Mrs Melvin O Johnson, son.
JOHNSON—Dreux, France 19 Dec S/Sgt and Mrs John D Johnson, HEDRONSEC, 7305th ABGRU, APO 84, NY, son.
JONES—WRAH, Washington, DC 3 Dec 1st Lt and Mrs John R Jones, son.
KAMIN—WRAH, Washington, DC 21 Dec Capt and Mrs Edward J Kamin, daughter.
KENNY—Ft Belvoir, Va 23 Dec Col (USAF) and Mrs Thomas F Kenny, Jr, twins, son and daughter.
KILBURN—Fitzsimons AH, Denver 22 Dec Capt and Mrs Kaye H Kilburn, daughter.
KINSELLA—Ft Belvoir, Va 25 Dec Maj (USAF) and Mrs William E Kinsella, daughter.
KLINAR—WRAH, Washington, DC 4 Dec 1st Lt and Mrs Karl L Klinar, son.
KNEIBERT—Neubucke/Nahe, Germany 18 Dec 1st Lt and Mrs Richard C Kneibert, daughter, Lizbeth.
KNOWLTON—WRAH, Washington, DC 24 Nov 1st Lt and Mrs Robert L Knowlton, daughter.
KOSS—Ft Leonard Wood, Mo 24 Dec 2d Lt and Mrs George P Koss, daughter, Tara Ann.
LAMBERT—Neubucke/Nahe, Germany 26 Dec 1st Lt and Mrs Richard T Lambert, son, Kurt Graham.
LANDRUM—Wright-Patterson AFB, Ohio 12 Dec 1st Lt and Mrs Bobby L Landrum, son.
LARKIN—WRAH, Washington, DC 30 Dec Capt (USAF) and Mrs Charles J Larkin, daughter.
LAURI—Ft Riley, Kans 28 Dec Capt and Mrs Michael Lauri, daughter, Rosemary Trubere.
LINVILL—USAH, Tampa, Fla 25 Dec Col Robert R Linvill, GS (Inf) G-3, 1 Corps (Gp), APO 358, San Francisco, and Mrs Linvill, MacDill AFB, Fla, son, Richard Runyan.
MAC MEKEN—Neubucke/Nahe, Germany 20 Dec Sp4 and Mrs Malcolm J MacMeeken, son, Steven Dale.
MAPLE—Fitzsimons AH, Denver 24 Dec 2d Lt (USAF) and Mrs William C Maple, 2d, daughter.
MARTIN—Neubucke/Nahe, Germany 13 Dec Sfc and Mrs Robert B Martin, son, Robert B, Jr.
MAYNARD—Ft Belvoir, Va 29 Dec Lt Col and Mrs John B Maynard, Jr, daughter.
MC NABB—Neubucke/Nahe, Germany 14 Dec Sp4 and Mrs Mahlon S McNabb, son, Richard D.
MEZO—Ireland AH, Ft Knox, Ky 20 Dec Capt and Mrs Joseph T Mezo, daughter, Patrice Marie.
MILLER—WRAH, Washington, DC 2 Dec Lt Col and Mrs Frank L Miller, son.

MILLER—WRAH, Washington, DC 27 Dec 1st Lt (USAF) and Mrs John B Miller, Jr, son.
MILLIGAN—Chateauroux, France 17 Dec T/Sgt and Mrs Bernard W Milligan, HEDRON AMFEA, APO 10, NY, son, Timothy L.
MISAJON—Neubucke/Nahe, Germany 17 Dec 1st Lt and Mrs Herman G Misajon, son, Robert C.
MIYASHIRO—Patterson AFB, Ft Monmouth, NJ 3 Jan 2d Lt and Mrs Jinsuka Miyashiro, 21 Atlantic Ave, Long Branch, NJ, daughter.
MOORE—Ft Belvoir, Va 22 Dec Maj and Mrs Harold G Moore, daughter.
MOQUIN—Ft Belvoir, Va 22 Dec Maj (USAF-Ret) and Mrs Wilfrid V Moquin, son.
NICKERSON—Quantico, Va 15 Dec Lt Col and Mrs Richard L Nickerson, son, Patrick Jon.
OLSON—Fitzsimons AH, Denver 29 Dec 1st Lt and Mrs Richard J Olson, daughter.
ORENDORFF—Ireland AH, Ft Knox, Ky, 13 Dec Capt and Mrs Robert O Orendorff, daughter, Barbara Joanne.
PAHOLSKY—Neubucke/Nahe, Germany 14 Dec T/Sgt and Mrs Mike Paholsky, son, Mike, Jr.
PFOTENHAUER—WRAH, Washington, DC 3 Dec Lt Col and Mrs Martin A Pfotenhauer, Jr, son.
PRICE—Orlando AFB, Fla 17 Dec 1st Lt and Mrs Grover Price, son.
PRIEST—Neubucke/Nahe, Germany 17 Dec Capt and Mrs Dwight W Priest, son, Philip W.
RISHELL—Patterson AFB, Ft Monmouth, NJ 27 Dec Capt and Mrs Clair L Rishell, 27 Birch Dr, Shrewsbury, NJ, son.
RITTLE—Dreux, France 21 Dec 1st Lt and Mrs William H Rittle, 41st Trp CaRON, APO 253, NY, daughter, Susan M.
ROTHENBERG—Ireland AH, Ft Knox, Ky 11 Dec Capt and Mrs Sheldon P Rothenberg, daughter, Pamela.
RYNN—Ft Dix, NJ 18 Dec Maj and Mrs Robert Rynn, daughter, Veronica Anne.
SAMUEL—Ireland AH, Ft Knox, Ky 14 Dec 2d Lt and Mrs Dwight C Samuel, Co A 1st Bn, 1st Reg, Ft Knox, son, David Carter.
SANDERS—Neubucke/Nahe, Germany 15 Dec Sfc and Mrs Alfred A Sanders, daughter, Konnie L.
SAVELLE—Wright-Patterson AFB, Ohio 10 Dec 1st Lt and Mrs William M Savelle, daughter.
SCHNELKER—Ft Riley, Kans 18 Dec Maj and Mrs Gerald C Schnelker, daughter.
SEAMAN—Quantico, Va 15 Dec Lt Col and Mrs Emil H Seaman, son, Warren Emil.
SHORT—Neubucke/Nahe, Germany 22 Dec Sfc and Mrs Robert D Short, daughter, Karen Lorraine.
SKAGGS—West Point, NY 26 Dec Lt Col and Mrs Alvin D Skaggs, BMEWS Project Office, 220 Church St, NY NY, son, David Randolph.
SPENCER—Dreux, France 16 Dec S/Sgt and Mrs Jerome W Spencer, 317th CAMRON, APO253, NY, daughter, Jacqueline R.
STAFFORD—Chateauroux, France 15 Dec S/Sgt and Mrs Ernest R Stafford, 3129th SupportRON, APO 10, NY, daughter, Rachel F.
SUMERLIN—Cherry Pt, NC 13 Nov Maj and Mrs Earl "B" Sumerlin, son, Daniel.
TAYLOR—Ft Eustis, Va 23 Dec Capt and Mrs Joseph K Taylor, daughter.
THOMAS—Ft Belvoir, Va 21 Dec Capt and Mrs Garner Thomas, son.
TRAINOR—Ft Belvoir, Va 23 Dec CWO (USAF) and Mrs Lawrence A Trainor, daughter.
VALIMONT—Ireland AH, Ft Knox, Ky 14 Dec 2d Lt and Mrs Benjamin F Valimont, daughter, Cheryl Elaine.
VOLCKMANN—Charlottesville, Va 28 Dec Mr and Mrs Russell W Volckmann, Jr, son, Russell William, 3d, grandson of Brig Gen (USA, Ret) and Mrs Russell W Volckmann, and of Mr and Mrs E Carter Green of Arlington, Va; and great-grandson of Mr W J C Volckmann, of Clinton, Iowa, and of Col Lewis S Corley, USA, Ret, of 3133 Conn Ave, NW, Washington, DC.
WALSTON—Neubucke/Nahe, Germany 23 Dec Sgt and Mrs Richard T Walston, daughter, Sharon Ann.
WEHRE—Orlando AFB, Fla 5 Dec Maj and Mrs Joseph Wehre, daughter.
WENDEL—Ft Belvoir, Va 19 Dec Lt Col and Mrs Edmund Wendel, Jr, daughter.
WEST—Quantico, Va 17 Dec Capt and Mrs Morgan W West, Carol Lynn.
WHALEN—Ireland AH, Ft Knox, Ky 20 Dec 2d Lt and Mrs Lyman A Whalen, daughter, Catherine Marie.
WHITE—Patterson AFB, Ft Monmouth, NJ 18 Dec Capt and Mrs Raymond L White, 148 Irwin Pl, New Monmouth, NJ, daughter.
WILLIAMS—Andrews AFB, Washington, DC 22 Dec Capt and Mrs William J Williams, daughter.
WILLIS—Ft Belvoir, Va 27 Dec Col and Mrs Nicholas W Willis, son.
WILSON—Neubucke/Nahe, Germany 15 Dec Sgt and Mrs LeRoy J Wilson, daughter, Teri-Lee A.
WOLLERMAN—Ireland AH, Ft Knox, Ky, 11 Dec 2d Lt and Mrs Edwin D Wollerman, daughter, Terry Lynn.
WOOD—Ft Eustis, Va 21 Dec 2d Lt and Mrs Douglas E Wood, son.

WURM—Maxwell AFB, Ala 11 Dec 1st Lt and Mrs L E Wurm, son, Daniel Joseph.
YEATS—Atlanta, Ga 4 Jan Capt and Mrs Joseph Jones Yeats, Jr, Student Det, 3rd Third US Army, Ft McPherson, Ga, daughter, Katharine Luce, granddaughter of Lt Col and Mrs Joseph J Yeats, Clover Hill Ranch, Tempton, Calif, and of Mrs Whyman O'Brien, Dunn, NC, and niece of Lt Christopher S Yeats, USA, Heidelberg, Germany, Cadet Philip L Yeats, '59, USMA, and Capt J R O'Brien, Westover AFB, Mass.

Married

GIMBEL-KATZ—The Congregation Keneseth Israel, Elkins Park, Pa 28 Dec Miss Ellen Ann Katz, daughter of Mrs Horace Adler Katz & the late Mr Katz, and Mr Dan Gimbel, son of Col (USAF) & Mrs Richard Gimbel, New Haven, Conn.
HOPKINS-LIVINGSTON—American Cathedral, Paris, 27 Dec Miss Nancy Randolph Livingston, daughter of Mrs Virginia Reese Livingston, New York & Mr Graham Livingston, Hudson, NY, and Lt Robert Hungerford Hopkins, USA, son of Mr & Mrs Ralph E Hopkins, Athens, Pa.
MEYER-THOMSON—USNA Chapel, Annapolis, 27 Dec Miss Caroline Cookman Thomson, daughter of Mr & Mrs Earl J Thomson, Annapolis, and Ens Donald John Meyer, USN, Pensacola, Fla, son of Mr & Mrs Adolph Meyer.
MOORE-CHRONES—Church of the Resurrection, New York City 28 Dec Miss Cassandra Chrones, daughter of Mr & Mrs Constantine John Chrones, Oneonta, NY, and Mr Thomas Gale Moore, son of Mrs Godwin Moore, Chevy Chase, Md, & the late Captain Moore, USN.
PFEIFF-MATTINGLY—St Aloysius Church, Leonardtown, Md 13 Dec Miss Mary Benedicta Mattingly, daughter of Mr & Mrs James Maguire Mattingly, Leonardtown, and Lt Robert Louis Pfeiff, USN, son of Mrs Henry W Hanley, Montrose, Pa, & the late Mr Louis Henry Pfeiff.
RODGERS-JOHNSON—National Presbyterian Church, Washington, DC 3 Jan Miss Karen Frances Johnson, daughter of Mrs Phillip H Cruikshank, Decatur, Ill, and Lt(jg) Kirk Proctor Rodgers, USNR, son of Mr & Mrs Samuel Proctor Rodgers, Baltimore.
SHOEMAKER-SLOAN—Christ Church, Greenville, SC 3 Jan Miss Mary Hunter Sloan, daughter of Mr & Mrs Edward Dunn Sloan, Greenville, and Mr James Marshall Shoemaker, Jr, son of Rear Admiral & Mrs Shoemaker of Virginia Beach.
SMITH-MEACHAM—St James' Roman Catholic Church, Red Bank, NJ 27 Dec Miss Margaret Archer Meacham, daughter of Mr & Mrs Thomas Owen Meacham, Shrewsbury, NJ, and Lt Karl Alexander Smith, USMC, Quantico, Va.
STARRATT-VAN ALSTYNE—Tenafly, NJ 1 Jan Miss Ellen Van Alstyne, daughter of Mr & Mrs David Van Alstyne, Jr, Englewood, NJ, and Ens Richard Courtney Starratt, USNR, son of Mr & Mrs Clarence Winfield Starratt, Milton, Mass.
UNDERWOOD-KAROL—Tampa Bay Baptist Church, Tampa, 29 Dec Miss Eleanor Karol, daughter of Mrs John Karol & the late Mr Karol, and Mr Robert M Underwood, son of Brig Gen (USA-Ret) & Mrs E H Underwood, 3209 Riverview Blvd, Bradenton, Fla.
VAN HORN-CREAMER—Shrine of the Sacred Heart, Baltimore, 27 Dec Miss Carol Ann Creamer, daughter of Mr & Mrs Carroll M Creamer, Manhasset, LI, NY, and Capt Robert Allen Van Horn, USAF, son of Mr & Mrs Shirley George Van Horn, Baltimore.
VAN STUDDIFORD-FLATTERY—Valley View Methodist parsonage, Las Cruces, NM 27 Dec Mrs Margaret S Flattery, Grosse Point Park, Mich, daughter of the late Mr & Mrs William R Stiffer, and Col George Van Studdiford, USA-Ret, 1301 E River Ave, El Paso, Tex, son of Mrs Thomas Van Studdiford, Jonesburg, Mo.
WARD-WAGNER—SS Philip and James' Catholic Church, Baltimore, 20 Dec Miss Patricia Lynn Wagner, daughter of Mr & Mrs Hugh E Wagner, Baltimore, Md and Lt(jg) Compton Eugene Ward, USN, son of Mr & Mrs Compton T Ward, Crystal City, Mo.

Died

CLARK—Died Baltimore, Md 26 Dec Mrs Irma Boykin Clark, wife of Mr Oliver H P Clark and mother of Mrs Robert H Kessler, wife of Colonel Kessler, USA, of 207-E Capehart, Redstone Arsenal, Ala.
CLENDENIN—Died Paconian Springs, Va 1 Jan Mrs Mary Matthews Clendenin, 88 widow of Col William H Clendenin, USA-Ret, and daughter of the late Col & Mrs S E Chamberlin. Survived by her daughter, Mrs Edith C Stahl of Waterford, Va; one son, Edward H Clendenin, Plainfield, NJ; and one sister, Miss Eleanor Chamberlin Waterford. Burial Arlington National Cemetery, Washington, DC.
COLLIER—Died 1 Jan Lt(jg) John G Collier, USNR.
CROW—Died Womack AFB, Ft Bragg, NC 26 Dec Mrs Olean Crow, 73, mother of Mrs A J Silvestri, wife of Lt Colonel Silvestri.

Dec 1st Lt Joseph...
at Det. Hq...
Ga, daughter of L...
Clover Hill...
Mrs Why...
Heidelberg...
s, '59, US...
over AFR...
n Kenneth...
Miss Ellen...
race Adler...
d Mr Dan...
rs Richard...
an Cath...
Randolph...
inia Reese...
aham Liv...
Robert Hum...
Mr & Mrs...
el, Annap...
man Thom...
Thomson...
nn Meyer...
Mr & Mrs...
Resurrec...
Cassandra...
Constan...
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late Cap...
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N, son of...
Pa, & the...
Presby...
Jan Miss...
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III, and...
SNR, son...
Rodgers...
Church...
y Hunter...
ard Dunn...
Marshall...
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nan Cath...
Dec Miss...
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Shrews...
Smith...
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Clarence...
Baptist...
or Karol...
late Mr...
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of the...
Miss Carol...
Mrs Car...
NY, and...
AF, son...
n Horn...
Valley...
Crucis...
Flattery...
r of the...
and Col...
1301 E...
s Thom...
James...
Dec Miss...
of Mr &...
Md and...
SN, son...
Crystal...
Dec Mrs...
Oliver...
Robert H...
USA, of...
Ala...
s, Va 1...
nln, 88...
n, USA...
& Mrs...
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Brig. Gen. Hayden, Army Missile Veteran, Joins Rheem Co. Defense Division

Brig. Gen. Frederic L. Hayden, USA-Ret., has been named Consultant for the Defense and Technical Products Division of Rheem Manufacturing Company, Downey, Calif., it is announced by L. M. Limbach, Division Vice President and General Manager.

General Hayden, USMA '20, will work out of Rheem's Washington, D. C., office. Among his principal duties will be that of providing military product planning consultant services for the division.

A top army artillery, anti-aircraft and guided missile leader during 35 years of Army service before retirement in 1955, General Hayden's commands included duty as CG of the First Guided Missile Brigade, Commandant of the Anti-aircraft and Guided Missile School, CG of the Anti-aircraft and Guided Missile Center, Ft. Bliss, Tex., and CG, 31st Anti-

aircraft Brigade, Ft. Bliss, Tex., and Ft. Lewis, Wash.

During WWII and after, he served in the Philippines, was CG of the Ryukyus Command and CG, Korea Civil Assistance Command, Far East and UN Command, Seoul, Korea.

General Hayden was awarded five decorations in WWII and the Order of Military Merit by Dr. Syngman Rhee, President of the Republic of Korea for his work for that country.



Brig. Gen. Hayden

"They Also Keep Busy"

RAAdm. George T. Mundorf, USN-Ret., has been appointed Manager of Business Administration at Link Aviation, Inc. He will be responsible for all administrative aspects of Link's Sales Division, including Contracts, Publications, Budgets and Forecasts, and Sales Promotion.

Admiral Mundorf, USNA '26, joined Link in December 1957 and has been assisting Link's President, David D. Mason, and Link's Vice President in charge of Sales, L. L. Kelly, in customer relations activities.

Brig. Gen. George W. Goddard, USAF-Ret., has been named Washington Representative for Itek Corp., a developer of reconnaissance systems for the military Services.

Col. Dwight M. Kuhns, MC, USA-Ret., Director of Laboratories at the Harlan, Ky., Memorial Hospital, has received the Carlos J. Finlay gold medal and certificate at the Academy of Science, Havana, Cuba, for his contributions to the control of meningococcal meningitis and bacillary dysentery.

Lt. Col. John R. Spark, USA-Ret., recent Chief of the Reserve Forces Division of the Sixth Army Adjutant General's Section, Presidio of San Francisco, will join his father's real estate and insurance firm in Indianapolis, Ind.

Sgt. Robert A. Phillips, 294th Military Police Company, Chicago, has retired from the Army after 21 years' service. Sergeant Phillips has served with the 294th for the past four years. He is awaiting an appointment as Deputy U. S. Marshal for the Northern District of Illinois, with offices in Chicago. Sergeant Phillips, his wife, Ann, and twin sons, James and Patrick, 6, reside at 1022 So. Claremont Ave., Chicago.

Col. Frederick C. Skillman, Ft. Sheridan, Ill. Post Executive officer, who retired 31 December will launch a new career in Tucson, Ariz., as an associate of the Chamber of Commerce. Accompanying him to Arizona will be his wife Betty, and daughter Christine, 11, and son, Ricki, 15 months.

Burroughs Computer Sent To Missile Agency

Burroughs Corporation's ElectroData Division of Pasadena, Calif., set a new record by shipping over \$1.2 million in commercial electronic computers and data processing equipment during the last week of 1958.

The shipment figures do not include military guidance computers and data processing systems manufactured by Burroughs Corporation for the Atlas missile and SAGE continental air defense programs.

Among those receiving Burroughs 205 and 220 computers shipped during December were General Electric Co., Utica, N. Y.; Army Ballistic Missile Agency, Redstone Arsenal, Ala.; Georgia Institute of Technology, Atlanta, Ga.; Citizens Gas and Coke Utility, Indianapolis, Ind.; and Allstate Insurance Company, whose Menlo Park, Calif. installation represents the firm's fourth Burroughs computer.

Maj. Gen. William M. Goodman, USA-Ret.

Maj. Gen. William M. Goodman, USA-Ret., died at his home at San Marino, Calif., 13 December at the age of 66.

A native of Norfolk, Va., General Goodman was a 1912 graduate of the Virginia Military Institute. He received his commission as a 2d lieutenant in the Army in 1914 and, later, saw action in France in WWI. A graduate of the Command and General Staff School, the Army War College and the Naval War College, General Goodman, in WWII, served as Deputy Commander of the Army's New York Port of Embarkation. He was retired from active duty in 1946 and had since been affiliated with the Schwabacher-Frey Co., Los Angeles printers and lithographers.

He is survived by his widow, Mrs. Marjorie Whitaker Goodman, San Marino; one daughter, Mrs. George Fenn; two brothers, Mr. Phil P. Goodman, General Manager, N. S. Meyer, Inc., 419 4th Ave., New York City, and Mr. Ben Goodman; three sisters, Mrs. John C. Wolff, Mrs. B. A. Banks and Miss Alice Goodman; and four grandchildren.

Col. James P. Hogan, USA-Ret.

Burial services were held at the National Cemetery, West Point, N. Y., 30 December for Col. James Patrick Hogan, USA-Ret., 69, who died at his home at Cornwall-on-Hudson, N. Y., 27 December.

A member of the U. S. Military Academy Class of 1914, Colonel Hogan served in France during WWI, participating in combat at St. Mihiel and in the Meuse-Argonne offensive. In WWII, he commanded the 67th Anti-aircraft Regiment in the Tunisian campaign. Colonel Hogan was retired from active duty for physical disability in October 1946 and had made his home at Cornwall, where he headed the Department of Mathematics at the N. Y. Military Academy.

He is survived by his widow, Mrs. Helen Dempsey Hogan of 10 Barr Ave., Cornwall-on-Hudson; and two sisters and one brother.

Col. Seth Lathrop Weld, USA-Ret.

Services for Col. Seth Lathrop Weld, Infantry, USA-Retired, who died 20 December after a week's illness at Brooke Army Hospital, were held 23 December 1958 at the National Cemetery, Ft. Sam Houston, Texas. Death was attributed to a cerebral hemorrhage.

Colonel Weld was awarded the Congressional Medal of Honor for action in the Philippine Islands in 1906.

Born at Sandy Hook, Md., 19 February 1879, Colonel Weld enlisted in the Artillery in 1899, later transferred to the Infantry, was commissioned in 1908 and retired in 1933, for physical disability incident to his service.

Since retirement, Colonel Weld had made his home in San Antonio, Texas, where he served on the Board of Directors of the National Bank of Fort Sam Houston.

He is survived by his widow, Mrs. Seth L. Weld of San Antonio; his son, Col. Seth L. Weld, Jr., of Bangkok, Thailand; his grandson, Seth L. Weld, 3d, of Texas A&M College; his granddaughter, Mary Weld of Bangkok; his brother, Mr. Lewis Henry Weld of Roanoke, Va.; and his sister, Mrs. Estella Dellinger of Linville Falls, N. C.

Lt. Gen. Herbert Jay Brees, USA-Ret.

Graveside services were held 26 December at the National Cemetery, Ft. Sam Houston, Texas for Lt. Gen. Herbert Jay Brees, USA-Ret, 81, who died at San Antonio 22 December.

A former Third Army Commander General Brees had been a resident of the City for 20 years. He was President and Chairman of the Board of the National Bank of Ft. Sam Houston for 17 years and was selected by the Exchange Club of the City as San Antonio's most outstanding citizen in 1940.

His only survivor is his widow, Mrs. Elizabeth Brees, of 310 Arcadia Pl., San Antonio.

Honorary pallbearers included General Walter Krueger, General W. H. Simpson, Lt. Gen. Guy S. Meloy, Jr., Lt. Gen. J. H. Collier, Lt. Gen. George Gruent, Maj. Gen. J. F. Preston, Maj. Gen. W. E. Prosser, Maj. Gen. F. Gilbreath, Maj. Gen. J. A. Green, Maj. Gen. R. H. Lewis, Brig. Gen. C. F. Humphrey, Jr., Brig. Gen. E. H. Humphrey, Brig. Gen. C. K. Nulsen, Col. A. T. Leonard, Col. Ira Longanecker, Col. J. M. Churchill, Col. V. G. Olsmith, Messrs. W. L. Bailey, Joe Frost, Jr., Jess J. Laas and W. E. Fitch.

Maj. Gen. William S. Key, USNG-Ret.

Maj. Gen. William S. Key, USNG-Ret., died 5 January at Oklahoma City at the age of 69.

General Key, who was a native of Alabama, went to Oklahoma in 1911 and served in the Army from the Oklahoma National Guard in WWI in France. Between the wars, he became Warden of Oklahoma's State Peni-

United Services Life Names "Man Of Year"

United Services Life Insurance Company has named Edward L. Batko of Abilene, Texas, "Man Of The Year for 1958." His production of \$5,107,000 of new written business on 438 lives during the year set a record.

The company reported that new paid business in 1958 exceeded \$83.5 million, highest in its history, bringing United Services' Business in Force to more than \$347.5 million, an increase of \$67 million for the year.

Assets at the end of the year were approximately \$32 million with Capital and Surplus reaching a new high of more than \$2 million.

Licensed in 31 states and five other jurisdictions, United Services writes insurance only for Commissioned Officers and members of their families.

M/G Stuart Takes Mutual Funds Post

Maj. Gen. Archibald W. Stuart, USA-Ret., has been appointed Manager of the Washington District of Hamilton Management Corporation. He will direct sales and service activities for the firm in Washington, D.C., and nearby counties in Maryland and Virginia. Hamilton Management Corporation is sponsor and distributor of Hamilton Funds, a mutual fund type investment plan with current net assets of more than \$100 million.

General Stuart, USMA '30, retired 1 November 1958 after duty as Commander of the 25th Infantry Division and U.S. Army, Hawaii.

General Stuart and his wife, Julia, have one daughter, Mrs. Gilchrist B. Stockton, Jr., of Jacksonville, Fla.



Maj. Gen. Stuart

tentary, a successful business man, an oil producer, the unsuccessful candidate for Governor of Oklahoma in 1938 and Commander of the 45th National Guard Division. In WW II, General Key served as Provost Marshal on General Eisenhower's staff in Europe, organizing and directing a European school for training American military police. He later commanded the U. S. Forces in Iceland and subsequently served in Military Government in Hungary. Since his retirement, General Key had lived in Oklahoma City.

Obituaries

Mrs. Emily J. Balsam

Burial services were held at the Golden Gate National Cemetery, San Bruno, Calif., 26 December for Mrs. Emily J. Balsam, wife of Col. Alfred S. Balsam, USA-Ret., Rt. 1, Box 229, Carmel, Calif., who died at Ft. Ord, Calif., 22 December.

Mrs. Balsam, who was born in Cheyenne, Wyo., married Colonel Balsam in 1916, when he was stationed at Ft. D. A. Russell. During WWII, while her husband was a prisoner of the Japanese, she went to Carmel, and after his return to the U. S. and his retirement from active duty, she and Colonel Balsam established their home there.

In addition to her husband, she is survived by two sons, Howard S. Balsam of East Greenwich, R. I., and Dixon Balsam of Huntsville, Ala.; three sisters, her twin, Mrs. George R. McMinn of Pasadena, Calif., Mrs. Kent Snyder of Castro Valley, Calif., and Mrs. Leroy P. Collins, wife of Brig. General Collins, USA-Ret., of Fine Creek Mills, Va.; and three grandchildren, Peter, Betsy and Emily Balsam, East Greenwich.

Journal Classified

Service families will find it helpful to consult these selected listings of sales and services.

Rates are 14 cents per word (minimum \$1.50). Deadline is 5 p.m. Tuesdays. Payment must accompany insertions. Write the Army Navy Air Force Journal, 1710 Connecticut Avenue, N.W., Washington 9, D. C.; or in the local area, phone HObart 2-1220, and ask for Mrs. Howard.

REAL ESTATE FOR SALE OR RENT

Arkansas

LAKE NORFOLK AND BULL SHOALS LAKE—in the Ozarks of North Arkansas offer wonderful opportunities for pleasant and gracious living to those interested in retirement homes. Also unlimited business opportunities are offered in this fast-growing vacation and resort area. You can buy a homestead or a place for a future business location on terms of 10% down and with low monthly payments. Write for free information. A. C. Haskin Real Estate Co., Mountain Home, Ark.

Famous **HOT SPRINGS**. Enjoy its mild, healthy climate, unexcelled beauty, inexpensive living, fine hospitals, PX, clubs, golf, fishing, etc. Free brochure. **MANOR APARTMENTS AND RESORT MOTEL**, Hot Springs, Ark.

California

CHOOSE THE MONTEREY PENINSULA for your home. Unexcelled climate and recreational facilities. Near Army and Navy installations. Write Charles E. Shepherd, Col. USA (Ret.) with LA PORTE-GREENWALD CO., 122 Webster Street, Monterey, California.

Florida

FREE! Monthly Lakeland and Florida Newsletter. Write Julian Brown, Realtor (Ret.-MS), 113 a Lemon, Lakeland, Florida.

Retire in Fort Lauderdale, Florida, the Venice of America, over 200 miles of Inland Waterways, 5 miles of public beach on the blue Atlantic, 6 regulation 18-hole and 3 par 3 golf courses. Big game fishing in the Gulf Stream and boating all year round. World's most perfect climate. New and re-sale retirement home off the water from \$10,000.00. New and re-sale home on the water from \$16,500.00. (Dock your boat and fish in your backyard.) All homes just minutes from the beach. "We specialize in service to service families." For further information and brochure write to Colonel "Tex" Farrish (retired), Causeway Realty, 1801 South Federal Highway, Fort Lauderdale, Florida.

CLEARWATER, FLORIDA—The Springtime City on the Gulf of Mexico offers the most in climate, recreation and pleasant living to service people considering retirement. Specializing in Service to Service Families. Write for our brochure. **MAURICE M. CONDON**, Realtor, Park Street at Cleveland Plaza.

Beautiful homes available and more under construction by **ESTES CONSTRUCTION COMPANY**. Specialize in homes for retired personnel in Clearwater and Indian Lake Estates, Florida. Write Lt. Col. Owen L. Colaw, USAF, Retired, 1801 Drew Street, Clearwater.

LLOYD W. GOEPPERT, REALTOR, 3604 Manatee Ave. W., BRADENTON, FLORIDA. We specialize in homes and homesteads for service personnel. Lloyd W. Goepfert, Ralph E. Hill.—Colonels, USA, Retired.

Florida (Cont.)

Winter Park—**EDWIN J. HOUSE** (Maj. Gen. USAF Ret.) **REALTOR**, 114B Park Ave. Fourteen years experience.

BEAUTIFUL HOMES, CO-OPERATIVE APARTMENTS, HOMESITES IN RESTFUL CLEARWATER. Sportsman's Paradise. Tropical Flowers, Government Hospitals, Commissary and PX. Write for Brochure. Col. **EDWARD L. HURLBURT, REALTOR**, 1152 Cleveland St., Clearwater.

SATISFYING FLORIDA HOMES. Write, see M. L. McCreary (Col. USA-Ret.) Realtor, L. W. "Eddy" Foy (Col. USA-Ret.) Assoc., 836 Orange Avenue, Winter Park.

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LAKELAND HAS EVERYTHING for the retiring military man. Write **LT. COL. R. W. MILLER, (Ret.) REALTOR**, Box 1340, LAKELAND, FLORIDA.

FORT LAUDERDALE—Most perfect year-around climate. Write Lt. Col. David Perlow, Ret., S. M. Painter & Co., Realtor, 831 E. Las Olas Blvd., Fort Lauderdale, Florida.

FLORIDA WEST COAST. As pleasant as the people say. Personalized quality homes built to your requirements in St. Petersburg-Clearwater and beach areas. Write or call on E. F. Yost, Brig. General USAF (Ret.), Patrician Builders, Inc., 17727 Gulf Blvd., St. Petersburg 8, Fla.

BRADENTON, FLORIDA. We have been building this colony of Retired Service families since 1936. Write for our Directory. **ARMY WIFE, MRS. WATKINS with WYMAN, GREEN and BLALOCK**.

Maryland

EASTERN SHORE — Waterfront homes, farms, estate. F. P. Williamson Real Estate, Cambridge, Maryland.

Texas

SAN ANTONIO. Serving the military thru this column since 1946. Property information, city maps, brochure upon request. Multiple listing service. **FHA & GI loans**. **GUY CHIPMAN CO.**, Realtors, 4412 Broadway, TA-4-1486.

SAN ANTONIO. Specializing in better homes in the choice North-East section—Convenient to Ft. Sam Houston, Army Medical Center and Randolph AF Base. **PHARR CO.**, REALTORS, 4900 Broadway. TA 6-0606.

Virginia

ARLINGTON Realty Co. Multiple-listing Brokers operating throughout Northern Virginia with a branch office in nearby Historic Fairfax. New and re-sale homes in a wide variety of designs and prices. **AUTHORIZED FHA LENDING AGENCY**. GI financing available with as low as 5% down on quality homes well located on 1/2 acre lots. Apartment and house rentals. Write for detailed information on Northern Virginia homes and methods of financing. **ARLINGTON Realty Co., Inc.**, Realtors, 2300 Wilson Blvd., Arlington, Va. Jackson 7-9300.

ALEXANDRIA and VICINITY—convenient to Pentagon, Ft. Belvoir and Washington—**THE M. H. BARRY ORG.** has helped military personnel SINCE 1912 to find the right home at the right price—be it to rent or to buy! We can help you! Write or phone for the "PERSONALIZED SERVICE" we're so well noted for. **THE M. H. BARRY ORG.**, 2206 Mt. Vernon Ave., Alexandria, Va.—phone King 9-3630.

YOU CAN SAVE TIME in locating housing accommodations for the duration of your **WASHINGTON DUTY** by informing us about your requirements. **BEFORE YOU ARRIVE**. Whether you plan to buy or rent, we will send you **RELIABLE** information on available new and re-sale homes **WITHIN YOUR PRICE RANGE**, or on terms for desirable apartment and house rentals. Also, we can reserve **TEMPORARY** furnished housing to accommodate your family until you find a permanent home. On arrival, make your **STARTING POINT**, our modern office where you can relax while you get complete details and examine actual photographs. This will spare you countless hours of tiresome looking. Write or call **M. T. BROYHILL & SONS CORP.**, 4610 Lee Highway, Arlington, Virginia. Jackson 4-1300.

TEMPORARY QUARTERS while awaiting movement in or out of Washington area. Furnished apartments for family of five or less, \$50 per week. Includes linen, complete cooking and eating facilities, telephones, etc. Ten minutes to Pentagon. Write for reservations—**CLARENDON HOTEL COURT**, 3824 Wilson Blvd., Arlington 3, Va. JA 5-7200.

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Social Security Tax Up, Benefits Also Show Rise

Social Security taxes and monthly benefit checks have been increased for military families, effective 1 January.

Instead of the former 2 1/2% tax on the first \$4,200 earned, individuals now pay 2 1/2% on the first \$4,800. This is a maximum increase in taxes of \$25.50 per year.

Benefit payments also were increased. The former maximum payment for an individual was \$108 per month. This was boosted on 1 January to \$116. A man and wife who formerly received \$162 together, now will receive \$174.

The former minimum payment of \$30 per month was raised to \$33. Under the former minimum, a man and wife received \$45. They will now receive \$49.50.

Virginia (Cont.)

WASHINGTON BOUND? Let our experienced service personnel locate your home in Virginia where taxes are lower and schools are better. Temporary rentals with everything furnished by the week or month while we help you find your permanent home. **HOLLEY REALTY**, 5800 Lee Highway, Arlington, Virginia, KE 8-5350.

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Old undamaged U.S. stamps, issues 1863/1955. 100 different \$5.00, 200 different \$15.00. **R. Storrs**, 1737 W. 95th Place, Chicago 43.

New Station Allowances Show Gains, Losses

From page 3—where quarters allowances are authorized.

The second area in which **CofL** payments will be made for the first time is Sudan.

In Cyprus and the Virgin Islands, the **CofL** payments for all ranks through colonel are substantially increased.

A further analysis of the preliminary listings reveals that there are about 40 areas in which readjustments in the **CofL** allowances will mean decreases for lower rank officers and enlisted men, while those in the higher ranks get boosts.

The areas in this category: The First and Third Judicial Districts of Alaska and Fairbanks, including Ladd, Eielson AFB's and Ft. Greely and Delta Junction in the Fourth District; Algeria; Bahrain

Islands; Belgium; Burma; Ceylon; Havana, Cuba; Dominican Republic; Egypt; El Salvador; the Seine Department and the Seine et Oise Department of France; Ghana; Guatemala; Haiti; India; Indonesia; Iran; Aviano, Genoa, Milan, Torino, Treviso, Udine, and Verigato, Italy (in the following cities of Italy all officers and men will have their **CofL** allowance reduced—Civitavecchia, Leghorn, Naples, Pisa, Rome, Verona, and Vicenza); Jordan; Laos, Lebanon; Malaya; Netherlands; Netherlands Antilles; Manila, P. I.; Singapore; Sweden; Switzerland; Syria; Thailand; Tunisia; Turkey; USSR; Venezuela and Vietnam.

In a number of instances the **CofL** losses in the foregoing areas are made up partially by increases in quarters allowances.

U. S. MARINE CORPS ORDERS

Commandant—General Randolph McC. Pate
Assistant Commandant—Lt. Gen. Verne J. McCaul
Chief of Staff—Lt. Gen. Robert E. Hogaboom

BRIG GENERAL

Victory, Randall N, to temp disab ret list.
Nikerson, Herman, Jr, HqMC, to Comdt
Army Management Scol, Ft Belvoir, for
TDY.

COLONEL

Moore, Luther S, 2d MAW, to MCAB East.
Peters, Tillman N, ForTrps FMFLant, to
4th MCRRD.
Connell, Walter F, 2d MAW, to MAG-32.

LT COLONEL

Bullock, Harry H, MCAF Santa Ana, Calif,
to 2d MAW.
Norton, Kirt W, USA Japan & 8th USA/UN
Cond, to Stf US Forces Japan.
Tighe, Thomas B, HqMC, to US Mil Mission
to Haiti.
Fenton, Francis I, jr, AFSC, NorVa, to 3d
Mar Div.
Lundin, William M, 1st MAW, to Operational
Dev Forces LantFlt NB NorVa.

To 1st MAW

Zuber, John W, 3d MAW.
Zeiger, Clarence L, jr.
From 3d MAW:
Coles, Thomas M Zeiger, Clarence L, jr

MAJOR

Wilcox, Edward A, 2d MAW, to Ofc of the
Director, the Joint Staff, Ofc of JCS, Pen-
tagon.
Pagano, Vincent B, Phila, to MCS, Quant.
Pearcy, Eddie E, 3d MAW, to NaTestCen,
PaxRiv.
Corman, Otis W, 2d MAW, to HqMC, Wash,
DC.
Norfolk, Ira P, Chapel Hill, NC, to MCB
CamLej.
Shortleaves, Vernon C, 3d MAW, to USS
Thetis Bay.
Bent, Paul F, USS Thetis Bay, to 3d MAW.
Daane, Marlon J, 2d MAW, to 1st MAW.
Wagner, William J, 1st Mar Div, to US Mil
Mission to Haiti.

CAPTAIN

Hansen, Harold V, NorVa, to 1st MarDiv.
Nimchuck, Paul, 1st Mar Brig, to VMO-6.
Williamson, Charles T, 2d Mar Div, to US
Mil Mission to Haiti.

Navy Orders

From page 21—

Holachuh, Howard W, OPNAV, to JSTAFF
CINCPAC.
Johannessen, William A (SC), USS SAINT
PAUL, to NSD SEATTLE.
Julliard, Floyd, GMSERVON TWO, to
BUAER.
Knudson, Irving H, AIRANTISUBRON 27;
to AFSC NORVA DUINS.
Lee, Barbara D (NC), NAVHOSP CHELSEA;
to NAVHOSP ST ALBANS LI.
Mayes, Shuler H, PATRON 26; to NABATRA
COM NAS PNCLA.
Moore, Robert E, BUAER, to FITRON 111.
Peppones, Demetrius J (SC), NAF OPPAMA;
to NAS QUONPT.
Rogan, Martin R, NAS GLEN; to NARES
TRACOM NAS GLEN.
Searl, Floyd C, NAVSEC MAAG FRANCE
PARIS; to USS HALSEY POWELL.
Tanton, Paul W, CO USS ORLEANS PAR-
ISH; to TRAPAC.
Warfield, John B, USS ALLEN M SUMNER;
to CO USS GRAHAM COUNTY.
Welch, Elbert S (MC), USS LEYTE; to
NATESTCEN PAXRIV.

Wood, Rondell K, NAATC CorpC, to MAD
NATTC Mfs.
Woodard, Reece J, 1st MAW, to 3d MAW.
Hafey, Robert J, jr, MCS, Quant, to 1st
MAW.
Hargadine, Walter W, MCS, Quant, to 2d
MAW.

To NaTest Cen, Pax Riv

West, Hugh S, 2d MAW.
Gillum, Donald E, 1st MAW.

1ST LIEUTENANT

Fox, Edward L, Indian Head, Md, to 3d
MAW.
O'Hara, John J, ForTrps FMFPac, to USS
Okanogan.
Tierman, William H J, 1st MAW, to MCB,
Twentynine Palms, Calif.
Hendrix, Claude E, MCS, Quant, to 3d MAW.
Katen, Arthur C, MCB Twentynine Palms,
Calif, to 3d Mar Div.
Swanick, Donald J, 2d MAW, to MB NB,
Phila.

To MCB, CamLej

Kish, Joseph A, 2d MarDiv.
Meiners, Joseph B, jr, ForTrps FMFLant.
Haldi, Donald A, 2d Mar Div.

2D LIEUTENANT

Daugherty, Charles L, jr, 2d Mar Div, to
MCB CamLej.

To MCS, Quant

Hynes, John P, 2d Mar Div.
From 1st Mar Div:
Mehlert, Henry F, jr Horner, Wm H, jr
Petry, Harry J

WARRANT OFFICER

Palmer, Robert M, MCB CamLej, to MB
NavShipYd, Portsmouth, Va.
Massarotti, Dante A, 2d MAW, to MAD
NATTC, Mfs.
Wilder, Raymond C, MAG-32, to MCB Twen-
tynine Palms, Calif.

RETIRED

Holcomb, Col Bankson T, to temp disab ret
list.
Menefee, Lt Col Melville M.
Wells, CWO W-4 Robert W.
Sweet, CWO-3 Granville C.

Bowcock, Charles S, jr, SUBRON TWO
TEM; to NAVCENT.
Chapman, Kendall R, ATKRON 63; to NA
TECHTC NAS JAX.
Crossno, Bernard P, NAVSTA ANNA; to
NAVHOSP BETHESDA TRMT.
Ellis, Joseph M, OPDEVFOR; to USS
ALLEN M SUMNER.
Greager, William L, NAS GTMO; to NAV
AIRLANT TEM.
Johnson, Mortimer C, FLETC NAVB NOR-
VA; to NUCLEAR WPNTCLANT.
Rappenecker, James C, FLETC NAVB NOR-
VA; to NUCLEAR WPNTCLANT.
Schwenter, George E, FLETACSUPPRON
21; to NABATRA COM NAS PNCLA.
Tanner, Carl B, jr, AIRDEVON FIVE; to
CO ATKRON 144.
Tennant, Raymond J, FLETC NAVB NOR-
VA; to BUAER.
Wolcott, Thomas C, NAS SOWEYMOUTH;
to NAVAIRLANT TEM.

Juniors To Sea Command

Lieutenant

Thomson, Alexander D, USS CHAMBERS;
to CO USS STALWART.

10 Jan. 1959 (Vol. 96, P. 569)

Army Navy Air Force Journal 25

WWII Engr. Alderman Heads Singer Office; Other Service Veterans In Industry Posts

Singer Military Products Division has
opened an office at Solana Beach, Calif.,
to handle Western operations, and ap-
pointed Robert E. Alderman, sr., a phys-
icist and WWII Army engineer, in
charge.

Mr. Frederick
W. Howells, Di-
vision Manager,
said the new of-
fice is the fourth
established since
Singer Military
was organized
last spring at
the New York
City headquar-
ters of The
Singer Manufac-
turing Company.
As government
contracts and
subcontracts for
electronic components began to come in,
the Division set up offices and plant facili-
ties at Singer's Bridgeport, Conn., Di-
vision and, later, offices in Washington.
Further expansion is imminent, Mr.
Howells said.



Alderman

posed of AIA member companies cur-
rently manufacturing utility airplanes or
engines for these aircraft.

Colonel Kerr served 14 years in uni-
form, and during WWII was on the staff
of General Curtis LeMay. Later he was
at Wright Field on the staff of General
Edwin Rawlings where he had extensive
procurement and production experience.
He has been associated with Lycoming,
a pioneer aircraft engine producer now
in its 50th year, since 1957.

Leland C. Dirting, also an Air Corps
WWII veteran, has been appointed Cust-
omer Relations Representative in the
Dayton, Ohio, area for ITT Laboratories,
the U. S. research division of Interna-
tional Telephone and Telegraph Corpora-
tion. He lives with his wife and four
children at 2033 Burroughs Drive, Day-
ton.

Dr. Patrick Conley, a WWII Naval ra-
dar officer and a lieutenant commander
in the USNR, has been appointed man-
ager of the Westinghouse Electric Cor-
poration's Air Arm Division. It is an-
nounced by Maj. Gen. Albert Boyd,
USAF-Ret., Vice President of the com-
pany's Defense Products Group in Wash-
ington, D. C. Dr. Conley had been Tech-
nical Director on the Defense Products
Group headquarters staff. He succeeds
Dr. S. W. Herwald, former manager of
the Air Arm Division, who was recently
named Vice President for Research.

Dr. Conley received a BS in electrical
engineering from Rice Institute. Prior
to joining Westinghouse in 1948, he re-
ceived a master's degree in communica-
tions engineering and doctor's degree in
applied physics at Harvard University.
In 1955, he received a master of business
administration degree from Harvard
Business School.

Former AF Col. Kerr Heads AIA Utility Council

James R. Kerr, Vice President of Avco
Manufacturing Corporation and Presi-
dent of both the Lycoming Division in
Stratford, Conn., and Williamsport, Pa.,
and the Research and Advanced Develop-
ment Division in Wilmington, Mass., a
former Air Force Colonel, has been
elected 1959 Chairman of the Aircraft
Industries Association's Utility Airplane
Council.

He succeeds William T. Piper, Presi-
dent of Piper Aircraft Corporation, Lock
Haven, Pa.

The Utility Airplane Council is com-

Broadened Scope Spurs Change In Name To "Northrop Corp."; Division To "Norair"

Because of its greatly broadened scope
of operations, the Northrop Aircraft Inc.,
will change its name to "Northrop Corpo-
ration," effective 2 February, President
Whitley C. Collins announced 9 January.

At the same time, the company's North-
rop Division at Hawthorne, Calif., manu-
facturer of the Talon T-38 supersonic
basic trainer and the Snark SM-62 long-
range guided missile, will take the new
name of "Norair."

Mr. Collins recalled that the present
name dates from 1939 when the firm's

business was confined to the design,
manufacture and sale of aircraft. Its op-
eration now includes guided missiles,
target drones, space research projects,
and electronic, electromechanical and
optomechanical products, as well as
aircraft.

Other Northrop divisions are North-
ronics, at Hawthorne and Anaheim, Ra-
dioplane at Van Nuys and El Paso, Tex.,
and Northrop International at Beverly
Hills.

Col. Schenken Joins U. S. Auto Association

Col. Charles E. Cheever, USA-Ret.,
President of United Services Automobile
Association of San Antonio, has an-
nounced the appointment to the Board
of Directors of Col. Carlton G. Schenken,
JAGC, as Vice
President-
Treasurer
of the Associa-
tion. Colonel
Schenken is on
terminal leave
pending retire-
ment from the
Army.

Prior to his
military career,
Colonel Schenken
was a Special
Agent of the
F.B.I., working
on the Lind-
bergh and
Urschel kidnapping cases. He also held
the positions of Assistant to the Presi-
dent of the Jefferson Standard Life In-
surance Company of Greensboro, N. C.,
and Manager of the Washington, D. C.,
office of Bechtel, Inc. He was called to
active duty with the Army's Judge Ad-
vocate General's Department in 1942 and
served overseas in the South Pacific dur-
ing WWII and later in Europe. His as-



Col. Schenken

signments have included service on
Boards of Review and as Staff Judge
Advocate at various Commands.

From 1954 to date, Colonel Schenken
has served as Fourth Army Staff Judge
Advocate at Ft. Sam Houston, Tex.

Gaylord Will Head Helicopter Council

Harvey Gaylord, President of Bell
Helicopter Corporation, Ft. Worth, Tex.,
has been named Chairman of the Hel-
icopter Council of the Aircraft Industries
Association for 1959. Mr. Gaylord held
this same office in 1952.

J. E. Leonard, Manager, Military Re-
quirements of the Cessna Aircraft Com-
pany, Wichita, Kans., will serve with Mr.
Gaylord as Council Vice Chairman, and
will succeed him as Chairman in 1960.

Other member companies of the Hel-
icopter Council include: Gyrodyne Com-
pany of America, Inc.; Hiller Aircraft
Corp.; Hughes Tool Company, Aircraft
Div.; Kaman Aircraft Corp.; Republic
Aviation Corp., Helicopter Div.; United
Aircraft Corp., Sikorsky Aircraft Div.;
and Vertol Aircraft Corp. The member-
ship application of Omega Aircraft Corp.
is pending.

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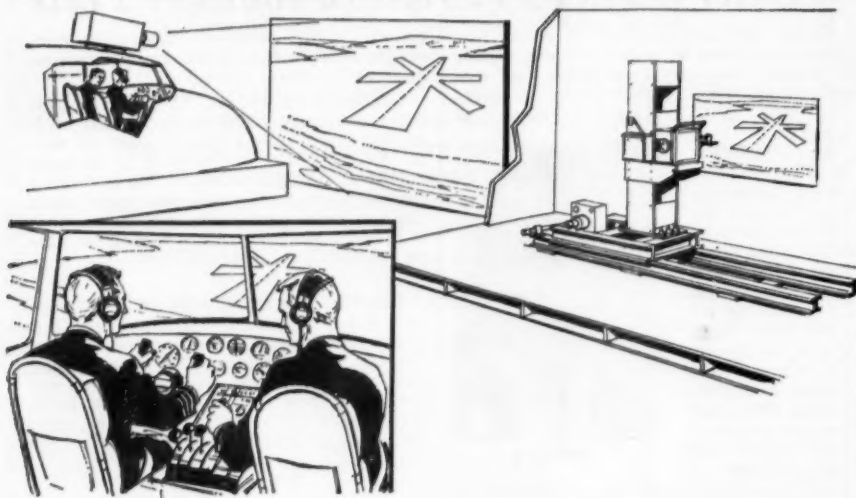
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INDUSTRY IN DEFENSE



SIGHT ADDED TO SIMULATOR. The operation of the Curtiss-Wright Visulator is shown in the three part artist's view above. At right, the closed circuit television camera, taking its directions from the pilots aircraft controls, picks up a view of the airport and surrounding terrain. The camera automatically adjusts itself for focus and perspective according to the simulated altitude and attitude being flown. The studio, comprising the camera and three dimensional airport model, requires an area of 25' x 15' x 14'. Signals picked up by the camera are transmitted to the projector atop the simulator cabin. The specially designed f/97 refractive lens projects a picture of a 90 degree viewing angle for either the pilot or co-pilot upon the 26' x 15' panoramic screen placed 10 feet from the pilot. The insert at lower left, shows the runway and airport view available from the simulator cockpit.

USAF And Naval Officers See 'Visulator'; Curtiss-Wright Adds Sight To Simulator

CARLSTADT, N. J. **T**HE new Curtiss-Wright "Visulator," adding a visual image to the other realistic features of flight simulators, was demonstrated here this week to representatives of the Air Force and the Navy.

Simulators are valuable aids used by the aviation components of all the Armed Services as well as by the major air lines both for instruction in new aircraft and for keeping pilots' skills at top efficiency. Heretofore pilots taking time in simulators were confined to instrument flight. Noise and cockpit motion were added in to give realism, but the pilot's vision was confined to his instruments and controls.

Sight For Pilot

The Curtiss-Wright Visulator, however, gives the pilot sight. In front of his windshield is a screen 15 by 26 feet, covering his entire field of vision, which in brightness and contrast compares favorably with the better motion picture projection systems.

The picture he sees upon that screen is the airport at which he is simulating a landing or take-off. The picture is brought to him through a closed television system. It originates in a studio separate from the room in which the simulator is located. The studio, which need be only 23 feet by 12 by 12 feet, houses a three-dimension model of the airport. It is viewed by a television camera so mounted that it is controlled in all movements by the aircraft controls operated by the pilot in the simulator. The enlarged image is then projected upon the panorama screen by the pilot. Every motion, through roll, pitch, azimuth or elevation is reflected proportionately upon the screen so that his successes or errors are readily evident just as they would be in actual flight, both in landing and take-off, which can be simulated under either day or night conditions.

Difficulties Overcome

Julius R. Pascuzzo, General Manager of Curtiss-Wright's Electronics Division located here, explained some of the difficulties which had to be overcome before the system became practicable. Standard television equipment was not considered suitable because it takes in only a 45

degree angle of sight and it was considered desirable to take in an entire 90 degree angle as seen by a pilot in the cockpit. Furthermore, standard equipment would have required such a large model that room to house it would have become a factor.

To meet these problems, Curtiss-Wright worked with Perkin-Elmer to develop a suitable optical system. The resulting lens which picks up the image in the studio is smaller than the head of a match yet supplies accurate perspective and depth of focus. The projection lens, on the other hand, is a whopping F/97 with a 5 1/4-inch focal length—probably the largest of its kind.

Big Job For Small Models

Mr. Pascuzzo explained that the Visulator may be added on to any previously built Curtiss-Wright simulator, such as those built for the KC-135, the F4H-1, the B-52, C-130A, or C-133A. It also may be added to simulators of other manufacturers.

The models are small, only eight by ten feet, but they depict an area of 10 square miles. Being small they can be changed rapidly, so that the pilot can simulate a take off at one airport and a landing at another. They can also be arranged so that he can have a choice of runways.

For military purposes other models could be used so that the pilot could be put through a visual bomb run or straff ground targets or a myriad of other uses.

Service Representation

Air Force officers who saw the Visulator in action on 6 January included Col. B. S. Barr and Maj. Ben Smith, Headquarters USAF, Washington, D. C.; Lt. Col. David Almy, Lt. Col. James L. Hight, and Col. Charles H. Roadman, all of the Human Factors Division, R&D; Maj. John L. Masin, ARDC; Maj. David A. Patterson, Division of Requirements; Maj. Robert H. Knapp, Director of Personnel, Procurement and Training; Col. W. L. Leverette, WADC; Maj. O. F. Kattwinkel, Maj. K. W. Alexander, and Capt. G. R. Vandelunde.

Representatives of the Naval Training Devices Center saw the Visulator demonstrated later, as did representatives of

Martin Pershing Program Pushes Forward, New R&D Hercules Award; Other Contracts

THE Army closed out 1958 with announcement 31 December of a \$53,985,121 contract for engineering services and research and development on the Pershing solid propellant missile by the Martin Company of Orlando, Fla.

The "second generation" Pershing is being developed by Martin in close collaboration with the Army Ordnance Missile Command at Huntsville, Ala.

Also announced on the eve of the New Year was the award of a \$13,133,600 contract to the Western Electric Company for R&D on the Nike Hercules missile at Whippany, N. J., Santa Monica, Calif., and Syracuse, N. Y.

The Brown Engineering Company of Huntsville was given \$1,154,780 for engineering and machine shop services for the Jupiter IRBM missile.

The Army contract announcements 31 December also included three other awards:

Kleinschmidt Division of Smith-Corona-Marchant, Inc., Deerfield, Ill., \$1,531,642 for teletypewriters.

Continental Motors Corporation, Muskegon, Mich., \$516,236 for engines and repair parts.

Norton Division, United Aircraft Milford, Conn., Department, \$2,810,285 for electronic equipment.

Improved Temperature Controls For Army's Mohawk

A new, lightweight temperature control system for the Army's Mohawk turboprop observation airplane will be produced by the electronics department of Hamilton Standard, division of United Aircraft Corporation, Windsor Locks, Conn.

Using air siphoned off the engines, the system provides warm air to both the cabin and camera compartment. It

weighs only 13 1/4 pounds, approximately half the weight of similar systems of this type.

The Mohawk, manufactured by Grumman, is a twin-engine aircraft capable of short take-offs and landings. It carries a two man crew and will be used by the Army for observation and surveillance missions.

Hoffman Wins Navy "Sonobuoy" Award

A contract for approximately \$1.5 million to manufacture several thousand units of the "Sonobuoy" anti-submarine device has been awarded by the Navy's Bureau of Aeronautics to Hoffman Laboratories Division, Hoffman Electronics Corporation, it is announced by James D. McLean, Division President.

Designated SSQ-23, the "Sonobuoy" is a listening device used primarily for de-

tecting and locating enemy submarines. Dropped from a "submarine-hunter" aircraft, it floats on the surface of the water and relays information on underwater sounds back to the aircraft. The Sonobuoy contains complete listening and transmitting equipment, plus its own power supply. After its useful life is over it automatically sinks itself.

SMALL BUSINESS GETS \$7 BILLION ANNUALLY

THE Pentagon reports that Small Business received \$3.243 billion in payments for defense subcontract work from 286 prime contractors enrolled in the Defense Small Business Subcontracting Program during fiscal '58.

This compared with \$3.562 billion from 298 prime contractors in the previous fiscal year.

The Defense Department said that Small Business received \$3.729 billion in military primary contract awards in fiscal '58, virtually the same amount as the previous year.

This means that during the last two fiscal years, including prime and subcontracts, Small Business has received over \$7 billion per year, out of about \$20 billion per year in military procurement from business firms.

the RCAF. Representatives of both domestic and foreign airlines are visiting here this week and next.



JULIUS R. PASCUZZO, General Manager, Electronics Division, Curtiss-Wright Corp., stands in front of a three dimensional model of an airport. To the left may be seen a portion of the special television pick-up which transmits the image that is projected as an unprogrammed picture on a panorama screen in front of the pilot in the simulator.

Former AF Officer Becomes Republic VP

James L. Murray, former project officer on the development of the Boeing B-52 jet bomber and Chief of the Engineering Division of the U. S. Air Forces in Europe, has been named Vice President in charge of sales for Republic Aviation Corp., Long Island, N. Y.

Other new Republic appointments include Thomas Davis as Financial Vice President and George H. Connerat as Treasurer.

Mr. Murray resigned his commission as an Air Force lieutenant colonel in 1954 to join the Garrett Corp., Los Angeles, where he served as Assistant to the Chairman of the Board of Directors before joining Republic in 1956 as Assistant to President Mundy I. Peale.

From 1939-40 and 1945-47 he served as an aeronautical engineer and engineering test pilot for the National Advisory Committee on Aeronautics.



James L. Murray

Army R & D Chief Trudeau Says Lead Time Must Be Cut; Stresses Industry Role

from first page—

minimum, and assure that the latest weapons and equipment are placed in operation at the earliest possible date.

We are emphasizing our basic and applied research program for it is from research that all future weapons systems must spring. Our base must be broad and comprehensive if our development program is to remain virile and productive in the future. Research must provide the breakthroughs necessary to accelerate our development programs. It must provide answers almost before we know the questions.

The Army program in this area is comprehensive and covers some 21 major fields and 119 sub-fields ranging from mathematics and human factors to medical projects and polar research.

"Ruthless" Survey

At the same time, we are carefully examining the entire research and development program to eliminate ruthlessly those projects which promise to lift only slightly the curtains on present weapon horizons or offer only marginal improvements on present material. This is a soul-searching process for we must weigh the sometimes ardent arguments and pleas of program advocates against the cold and somewhat somber realities of national requirements and Army missions. Decisions to drop projects are made only after an exhaustive search for facts and then in the most objective manner possible. It is a difficult task at best, and an onerous one at worst. But it must be done boldly if we are to concentrate the limited funds available to us on those projects and programs which will do the most to advance our Army's effectiveness and permit maximum saving of time.

All of these actions are directed at reducing lead time to the shortest possible period so that our weapons can help maximize the Army's capabilities at any period of time, against any conceivable foe, and in any possible area of operations.

Last month my office sponsored a lead time symposium here in the Pentagon as part of our continuing effort to expedite research and development. The purpose of the symposium was to discuss, to investigate, to develop all possible means of reducing lead time and thus conserving the time which is available to us in critical years ahead.

Key military and civilian personnel from the Department of the Army, U. S. Continental Army Command, and the field spent two days searching for methods which would speed the cutting of Army research and development lead time. The intense sessions of the symposium were classified, but I am able to say something about its results.

"Bold Decisions" Essential

Concurrent endeavor in research and production design or "systems" engineering was critically examined as a means of expediting development and speeding production. The entire decision-making process was examined to determine how areas requiring decisions could be recognized earlier, how more prompt action taken to resolve problems, and how the benefits of maximum decentralization of authority could best be realized. The necessity for prompt decisions and the need to make bold decisions to terminate unproductive approaches and projects were emphasized.

During the meetings the military requirement to freeze a design at some reasonable point to go into production was stressed. This is aimed at reducing the delay inherent in raising the potential of any weapons system to achieve theoretical perfection. We often get 90 or 95 per cent effectiveness quite rapidly. Too often we have been guilty of spending almost as much or more time and money trying to raise that figure a few desirable but non-essential percentage points. On the battlefield the improvement would be insignificant, but the time lost is invaluable and irreplaceable.

Army procedures for budgeting, administration and financing were subjected to an analytical examination. This should

result in cutting the time consumed in funding procedures. The symposium discussed the rigidity and restrictive characteristics of some of the normal defense and Army procedures and how to change them to cut research and development lead time.

Dr. Williams H. Martin, Director of Army Research and Development, spoke at the conference and discussed the R&D cycle in industry and his concepts of the cycle in the Army. His comments were particularly appropriate since they covered many of the areas discussed in the symposium and were based on a lifetime of high-level industrial experience.

Emphasizing the close relationship which exists among the developing, manufacturing and using agencies, Dr. Martin recommended the following measures to cut R&D lead time:

Extending the development cycle into production of the first lot and ending it when an acceptable item has been produced and tested.

Placing responsibility for development and initial production on the same agency.

Reducing the cycle from initiation of development to operational availability of an acceptable item to not more than four years.

Funding at a rate required to meet the four year cycle and to provide adequate prototypes for overlapping engineer and user tests.

Drawing a comprehensive project plan to simplify and expedite the decision to initiate a project. The development program and schedule should be subject to review and modification by the selected development organization.

Establishing objective military characteristics throughout the development cycle with the R&D agency primarily responsible for seeing that they are properly adjusted to the dictates of the

—Continued on next page

READY FOR ACTION any time, any place!



Army YHO-2HU Helicopter

For reconnaissance and liaison, the company commander needs a ruggedly built helicopter...one that operates for long periods of time without being laid up for repairs or time consuming maintenance.

The Army YHO-2HU two-place helicopter (Hughes Model 269A), which is now under evaluation, fulfills this need. It features simplified design, highly reliable components, and ease of maintenance. The YHO-2HU is always ready for action.

At a recent Maintenance Inspection Conference, the first ever to be conducted under Army leadership, quick removal and replacement of dynamic components were demonstrated. The power plant package was removed and reinstalled by 3 men in only 43 minutes. A main rotor blade was removed and installed by 2 men in just 6 minutes. No special tools or lifting equipment were required for these operations.

The YHO-2HU, designed specifically for the two-place mission, for the first time makes it practical to have a helicopter at the disposal of the company commander. With its hedge-hopping abilities and extremely small silhouette, the YHO-2HU will reduce the hazards of enemy fire. The small size gives it additional combat advantages—it is easy to land, park and conceal.

The YHO-2HU is a fully reliable, easily maintainable, high performing, low-cost two-place helicopter. With its proven 180 h.p. Lycoming O-360 engine, the YHO-2HU flies at a speed of 90 m.p.h. and has a cruising range of 150 miles. It has a useful load of 660 pounds and an empty weight of 890 pounds.

For an illustrated brochure describing the YHO-2HU please write to the address below.

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Academy Rules Set For Overhaul; Increased Tours Will Be Considered By 86th Congress

RULES and regulations governing appointments to the Military, Naval and Air Force Academies will be overhauled by the 86th Congress.

The result could mean increased appointment opportunities for Service sons and enlisted men, and increased periods of obligated service for Academy graduates.

The Pentagon has drafted an omnibus measure affecting all three Service schools. The President and the Congress also have some ideas of their own about "needed reforms" for the Academies.

The resultant legislation undoubtedly

will be a compromise of the various views.

Some members of the Congress have been insisting that the obligated tours of Academy graduates should be increased.

The President has campaigned for increased appointment opportunities for Sons of the Service—maintaining that young men from this group are more highly motivated to long-term military careers than others appointed to the Service schools.

He will continue to urge stepped-up White House appointment quotas.

The Pentagon wants an increase in the number of Regular and Reserve enlisted men who can receive appointments to the Academies, and it also wants to establish uniform regulations for commissioning of graduates of all three schools in the Regular Armed Forces.

In addition, the Defense Department again will attempt to win Congressional authority to alleviate first-year attrition at the Army and Air Force Academies. A measure authorizing increased annual appointments for both Academies—to keep average enrollment at peak strength—was submitted to Congress

last year, won approval of the House Armed Services Committee, but failed to be considered on the House floor by the Senate.

More than a dozen separate legislative proposals affecting the Academies were still on the Congressional docket when the 85th Congress adjourned.

Slash Lead Time, R&D Chief Urges

From preceding page—

available technology, economical quality production, timely availability and reliability.

Closer relations between the logistics and user agencies and the Army development agency and the contractor.

All of these items were carefully considered by the members of the symposium. They do not, however, represent the full extent of the discussions and deliberations which occurred.

Other areas included in the discussion were the practices of industry in R&D in product engineering, in production techniques, and in administration. We were particularly desirous of determining if there were any industrial practices which might profitably be adopted by the Army, if there were areas where industry-Army cooperation and understanding could be improved, and if there were any measures or procedures now being used by industry which could profitably be employed by the Army. We also took a critical look at our own procedures for working with industry to determine if there were any method by which they could be streamlined and the rapport between the Army and its suppliers improved.

Industry's Role Studied

We were also interested to see if we could develop any additional measures where the tremendous R&D capability of American industry could be geared more directly to our effort. We must insure that in this vital race no asset, no matter how large or how small it may be, is properly applied to solution of the problems and tasks which confront us.

It is not my intention to paint too bleak a picture of the lead time situation as it applies to the United States. Certainly we have examples of how we have managed to slash the lead time of a new weapon to an acceptable degree. The Jupiter program is such an example.

When the Army Ballistic Missile Agency assigned the Chrysler Corporation the job of modifying development weapons which included the Jupiter and Redstone missiles, design engineers went to work at the development agency, ABMA, during the earliest stages. By integrating production engineering early into the development cycle we were able to use production components in R&D missile design the missile for production during development and develop a tactical prototype concurrently with the design and establishment of production facilities. The result was that the lead time for the Jupiter was reduced to a record minimum of three years.

Three Year Goal

What was done with the Jupiter missile and with Redstone must be carried over to other areas. We must cut the lead time on all of our military equipment, not just the more exotic missiles to a maximum of four years, and, more preferably, to three years. Only by accomplishing this reduction in lead time can we hope to meet the challenge of a monolithic state—an economic autocracy—versed in the latest technology, willing to sacrifice the welfare of the individual for the power of the state, and determined to destroy us.

While you have been reading this the clock has been ticking away. Its sound has been neither friendly or unfriendly neither for or against us. Whether it will measure our success or count our failure depends on how all of us react to the challenge of Communist imperialism to out-produce and overwhelm us. The time remaining is short. We must make maximum use of every minute of it.



NAVY SELECTS RYAN C-W DOPPLER NAVIGATORS FOR MAJOR AIRCRAFT

Six major types of Navy aircraft will be equipped with Ryan continuous-wave Doppler navigation systems, the AN/APN-122 (V), under an initial \$20-million contract awarded by the Navy to Ryan's Electronics Division. Ryan's automatic, all-weather, self-contained navigators will be installed in the Navy's Lockheed Neptunes (P2V), Martin Marlin patrol planes (P5M), carrier-based Douglas Sky Warriors (A3D), and three types of Grumman aircraft.

Developed in cooperation with the Navy, these advanced electronic systems are the lightest, sim-

plest, most compact, and most reliable of their type. The new order, one of the largest of its kind, emphasizes Ryan's leadership in navigation and guidance systems.

With a solid backlog of this and other important contracts for RYANAV systems, the Ryan Electronics Division is growing even faster than this fastest growing industry. Personnel and facilities are being doubled, both in the new production plant at Torrance, Calif. and at the San Diego facility, where a modern new electronics research center is under construction.



New electronics production facility at Torrance (near Los Angeles).



New electronics research center at San Diego.

Ryan's rapid growth in electronics is creating new opportunities for engineers and technicians

RYAN BUILDS BETTER

ELECTRONICS DIVISION

Ryan Aeronautical Company, San Diego, California